

# The Mining Journal

## I N D E X

To VOLUME TWO-HUNDRED-AND-FIFTY  
JANUARY - JUNE 1958

### INDEX CLASSIFICATION

Metals and Minerals	- - -	Page 1	Men, Methods and Machines	- - -	Page 6
Countries	- - -	Page 4	Companies and other Public Bodies	- - -	Page 8

### KEY TO CODE LETTERS

<b>A</b> Articles	<b>FN</b> Financial News and Results	<b>MM</b> Mining Miscellany*	<b>Ob</b> Obituaries
<b>CN</b> Company Notices	<b>M</b> Machinery and Equipment	<b>MR</b> Mine Returns	<b>P</b> Paragraph
<b>Div</b> Dividends	<b>ME</b> Company Meetings	<b>MT</b> Metals, Minerals and Alloys	<b>R</b> Reviews
<b>DR</b> Directors' Reports	<b>MF</b> Mining Finance	<b>N</b> Notes and Comments	<b>T</b> Technical Briefs

\* Denotes brief references

## Metals and Minerals

<b>ALUMINIUM</b>		Canadian prospects for 1958 ..	A 242	<b>CEMENT</b>		Spanish coal for U.S. coke making ..	MM 508
Aluminium's progress and prospects ..		Southern Rhodesian asbestos ..	N 265	China's industrial progress ..		Best safety record of American mines ..	MM 574
U.S. mineral output in 1957 ..		Asbestos at Allihies ..	MM 541	<b>CHINA CLAY</b>		Pumping coal across country ..	M 636
Aluminium plant at Mettur ..		Johns-Manville in Centenary year ..	A 658	Mineral production in Malaya ..		Cleaning fine coal ..	M 637
Britain's imports from Russia ..		Minerals produced in Southern Rhodesia ..	MM 755	<b>CHROME</b>		The Chilean coal industry ..	M 657
Companhia Lusitana ..		<b>BARIUM</b>		U.S. mineral output in 1957 ..		High volatile coals ..	MM 728
Aluminium plant in Angola ..		Minerals for glass manufacture ..		Pakistan's mineral resources ..		Ripping opencast coal for loading ..	A 754
The background of aluminium ..		<b>BARYTES</b>		Deep level in chrome in Rhodesia ..		<b>COAL—ASIA</b>	
Blueprint for mining development in Yugoslavia ..		The mineral deposits of Cuba ..		Processing chrome ..		Swan song for Malayan coal ..	
The future of Australian alumina ..		Minerals research in Turkey ..		Chrome in Alaska ..		Pakistan's mineral resources ..	
Power for Australian aluminium ..		<b>BAUXITE</b>		Raw materials for Japanese industry ..		Coal in Pakistan ..	
Aluminium dump truck ..		U.S. mineral output in 1957 ..		A ferrous chrome factory ..		China's industrial progress ..	
Aluminium in 1957 ..		Dominica's mineral resources ..		Mineral deposits of Cuba ..		The Sino-Japanese barter contract ..	
Aluminium products in Brazil ..		The background of aluminium ..		Turkey's reserves of chromite ..		Asia looks to her minerals ..	
Loyalty discounts for Canadian aluminium ..		Hawaii's promising bauxite industry ..		Pakistan's mineral potential ..		Coal extraction in Turkey ..	
Norway's production of aluminium ..		Greek bauxite ..		Turkey's chrome industry ..		Mineral production in Malaya ..	
Greek bauxite ..		Aluminium's favourable prospects ..		Turkish mineral production ..		Coal field at Nong Son ..	
Aluminium under pressure ..		Non-ferrous metals in the U.S.S.R. ..		Developing South Africa's chromite ..		Indian coal production in 1957 ..	
Electrical installation at Baie Comeau ..		Metals and minerals ..		Chromite production in Pakistan ..		Coal production in China ..	
Minerals for glass manufacture ..		Mineral wealth of the Dominican Republic ..		Mining in Albania ..		Burmese coal ..	
Austrian aluminium production in 1957 ..		Minerals research in Turkey ..		Rhodesian chrome prices down ..		Mineral resources of the Sahara ..	
Non-ferrous metals in U.S.S.R. ..		<b>BERYLLIUM</b>		Minerals research in Turkey ..		Turkish coal ..	
Production records in Australia ..		U.S. mineral output in 1957 ..		Minerals produced in Southern Rhodesia ..		Chinese coal for Pakistan ..	
Mineral wealth of the Dominican Republic ..		Metals and minerals ..		(See also weekly notes under "Metals and Minerals")		China outpacing the N.C.B.? ..	
Carrier of latest design ..		<b>BISMUTH</b>		<b>CINNABAR</b>		Japan's coal difficulties ..	
Non-ferrous metals in Brazil ..		Prospecting and mining in Uganda ..		Minerals research in Turkey ..		Indian mineral production ..	
(See also weekly notes under "Metals and Minerals")		Metals and Minerals ..		<b>CLAY</b>		<b>COAL—AUSTRALASIA</b>	
<b>AMBLYGONITE</b>		<b>BORACIC ACID</b>		Clay from the Negev ..		Brighter horizons for New Zealand Mining ..	
Minerals for glass manufacture ..		Metals and minerals ..		<b>COAL—AFRICA</b>		Australian coal to Argentina ..	
<b>ANTHRACITE</b>		<b>BORON</b>		Wankie coal cheaper ..		<b>COAL—EUROPE</b>	
Mining in Morocco during 1957 ..		Metals and minerals ..		Tati's coal options ..		Slight decline in European coal production ..	
The fall in coal production ..		<b>BROMINE</b>		Mining in Morocco during 1957 ..		Poland's collieries ..	
<b>ANTIMONY</b>		Metallic borides in the U.K. ..		South African coal ..		Blueprint for mining development in Yugoslavia ..	
Metals and minerals ..		Boron in chemical fields ..		The Nigerian coal corporation ..		ment in Yugoslavia ..	
A large deposit of antimony in Nevada ..		<b>BRIMSTONE</b>		South African quarterly coal mine returns ..		The Kuznetak coal basin ..	
Marchison's antimony ..		Sulphuric acid and the mining industry ..		Southern Tanganyika coal deposit ..		Limburg coal mines ..	
Minerals research in Turkey ..		<b>CADMIUM</b>		New coal share ..		Hungary's opencast coal mine ..	
<b>ARSENIC</b>		Metals and minerals ..		The price of South African coal ..		The fall in coal production ..	
Post-war mining developments in Latin America ..		<b>ASBESTOS</b>		<b>COAL—THE AMERICAS</b>		Muelheim production ..	
Bechuanaland's search for minerals ..		Metals and minerals ..		Coal in the Caribbean ..		Coal in Greenland ..	
Metals and minerals ..		<b>COAL</b>		Rio Turbio coal mines ..		Soviet experimental coal pipeline ..	
MT 163, 274, 638		Mining starts at Timna ..		The fall in coal production ..		Spanish coal in 1957 ..	
		Health for Colombian mining ..		Drop in U.S. coal exports ..		Daily coal production in Hungary ..	
		West German imports of U.S. coal ..		Yugoslav mining and metallurgy in 1957 ..		Coal in the Faroe Islands ..	
						West German Miners' Union ..	
						The coal industry of the U.S.S.R. ..	
						Coal and Steel Pool ..	
						Community coal stocks rising ..	
						Mining in Albania ..	
						Yugoslav mining and metallurgy in 1957 ..	

East European countries to boost coal .....	N 627	Mineral resources of the Sahara .....	A 566	<b>GOLD—CANADA</b>		<b>IRON &amp; STEEL — EUROPE</b>	
Hungary constructing new mines .....	MM 634	Norway's mining prospects .....	A 571	Gold strike .....	MM 160	New iron deposits .....	MM 72
Coal mines in Sardinia .....	MM 663	Yugoslav mining and metallurgy .....	A 598	Exploration in Canada .....	A 186	Britain's imports from Russia .....	MM 105
A machine of the future ? .....	N 698	in 1957 .....	N 626	Canada extends E.G.M.A. .....	N 208	European coal and steel community .....	MM 134
Three-year plan for Irish coal .....	N 749	Symptoms and causes .....	A 629	Canadian prospects in 1958 .....	A 243	Three iron ore deposits in Finland .....	MM 134
<b>COAL—GREAT BRITAIN</b>		Prospects for an economic Eurafica .....	A 630	<b>GOLD—INDIA &amp; PAKISTAN</b>		Blueprint for mining development in Yugoslavia .....	A 156
British coal developments .....	A 101	Roros Kobberverk .....	MM 634	Pakistan's mineral resources .....	N 65	Swedish iron ore .....	MM 214
British coal output disappoints .....	N 129	Concessions in rail freight rates .....	MM 634	Exploitation of the Kolar Goldfield .....	N 181	Italian steel production .....	MM 416
Britain halts pit recruitment .....	N 209	Property in Haiti, Consolidated Halliwell .....	MM 634	<b>GOLD—SOUTH AFRICA</b>		Iron in Kolari area, Finland .....	MM 446
Coal mining development in Britain .....	A 354	Subsidies for U.S. metal producers .....	MT 638	Rand marginal mines .....	FN 22	Austrian steel output in 1957 .....	MM 446
N.C.B. deficit .....	N 533	Help for Australian copper producers .....	N 657	Rand and O.F.S. returns for December .....	MF 49	Iron output in the Soviet Union .....	MM 446
Eleven years on .....	N 596	World's largest copper ore deposit .....	A 662	Monthly South African gold mine returns .....	MR 30, 166, 333, 424, 579, 702	Steel in the Common Market .....	A 467
British coal-mining explosives .....	N 618	Copper at Minas Gerais .....	MM 663	December Kaffir quartermen .....	MF 77	Norway's mining prospects .....	A 571
Pay claim rejected .....	N 689	Nchanga copper mining .....	MM 695	Analysis of Rand and O.F.S. Quartermen Supp. Jan. 31 & May 2 .....	MF 194	French iron and steel pilot plant .....	MM 574
New coal preparation plant .....	MM 756	Swedish mineral output .....	MM 696	Witwatersrand production in 1957 .....	MF 194	Mining in Albania .....	N 597
<b>COAL—VARIOUS</b>		Post-war mining developments in Latin America .....	A 724	South African marginal mines .....	N 207	Yugoslav mining and metallurgy in 1957 .....	A 598
Electricity in coal gasification .....	T 71	International Wrought Non-ferrous Metals Council .....	MM 729	Rand and O.F.S. returns for February .....	MF 247	Mining in Roumania .....	N 688
Thermal dryers for coal and ores .....	M 156	Copper refinery on the Mississippi .....	MM 728	O.F.S. dividend season opens .....	MF 304	<b>IRON &amp; STEEL—GREAT BRITAIN</b>	
Atomic energy in India .....	N 237	Copper in Norway .....	MM 755	Marginal comments .....	N 347	Britain's growing dependence on imported iron ore .....	A 102
Third International Coal Preparation Congress .....	A 723	(See also weekly notes under "Metals and Minerals")		Rand Easter Show .....	MM 385	Steel in the Common Market .....	A 467
Developments in the use of coal .....	A 724	<b>DIAMONDS</b>		Rand and O.F.S. returns for March .....	MF 390	Iron ore stocking ground in Wales .....	MM 728
<b>COBALT</b>		Prospecting and mining in Uganda .....	N 37	South Africa after the elections .....	N 438	<b>IRON &amp; STEEL — NORTH AMERICA</b>	
Mining in Morocco during 1957 .....	A 243	Record diamond sales .....	MF 49	The contribution of geology to the mining industry .....	A 504	Great Whale iron ore deposits .....	MM 160
Metals and minerals .....	MT 385	The mining industry of South West Africa .....	A 210	Rand and O.F.S. returns for April .....	MF 545	Canadian prospects for 1958 .....	A 241
Upgrading cobalt and exploration .....	A 385	Diamond drilling with impregnated bits .....	A 240	Productivity in the mining industry .....	A 603	Schooling the steel workers .....	A 242
<b>COFFINITE</b>		The diamond industry in the Belgian Congo .....	A 267	Still a free market in Kaffirs .....	MF 640	Pilot plant at Indiana Harbour .....	MM 150
History by air .....	N 181	Tanganyika's mining industry in 1957 .....	A 297	Rand Klerksdorp and O.F.S. gold and uranium producers .....	MF 641	Iron ore deposits in Ungava .....	MM 385
<b>COKE</b>		Diamond mining equipment in South West Africa .....	M 327	June Kaffir payments .....	MF 670	Low grade ores in North America .....	A 441
A "Prefas" office block .....	M 477	Diamond mining industry in Portugal .....	MM 355	Rand and O.F.S. monthly returns .....	MF 670	American steel production .....	A 441
<b>COLEMANITE</b>		New treatment plant at Kimberley .....	MM 355	More Kaffir dividends .....	MF 702	Iron ore shipments on Great Lakes .....	MM 695
Minerals research in Turkey .....	N 627	Diamond mining in French Guinea .....	MM 355	<b>GOLD—SOUTHERN RHODESIA</b>		Iron reserves in Quebec .....	MM 728
<b>COLUMBITES</b>		Siberian plateau diamond mining .....	MM 385	Southern Rhodesia's dwindling smallworkers .....	N 237	<b>IRON &amp; STEEL — VARIOUS</b>	
Mineral production in Malaya .....	MM 416	The contribution of geology to the mining industry .....	A 504	Southern Rhodesia's mineral production .....	MM 416	Iron ore imports from India .....	MM 44
<b>COLUMBIUM</b>		Mineral resources of the Sahara De Beers hold firm .....	MF 577	Southern Rhodesian gold returns, Jan.-March .....	MR 677	Pakistan's mineral resources .....	N 65
U.S. mineral output in 1957 .....	A 38	U.S. diamond drill manufacturers .....	MM 635	Minerals produced in Southern Rhodesia .....	MM 755	South African iron ore .....	MM 105
Development of columbian and tantalum .....	A 325	Diamond treatment plant at Kimberley .....	MM 695	<b>GOLD—WEST AFRICA</b>		Dominica's mineral resources .....	N 128
Canadian occurrences of columbian and tantalum minerals .....	A 352	Diamond sales lower .....	MF 701	Another West African recovery .....	MF 275	Iron ore in India .....	N 129
Metals and minerals .....	MT 418	Diamond extracting plant .....	MM 728	West African gold mine returns, Jan.-March .....	MR 677	The iron sands of New Zealand .....	A 131
<b>COPPER</b>		<b>FELSPAR</b>		<b>GOLD—VARIOUS</b>		Japan's dilemma .....	N 151
Yugoslavia's Majdanpek project .....	N 8	Minerals for glass manufacture .....	A 381	Prospecting and mining in Uganda .....	N 37	Iron ore deposits in French Africa .....	MM 188
Bechuanaland's search for minerals .....	N 9	<b>FLUORSPAR</b>		U.S. mineral output in 1957 .....	A 38	Iron in Ghana .....	MM 214
U.S. mineral output in 1957 .....	A 38	The mining industry of South West Africa .....	A 210	Mining progress in the Philippines .....	N 65	China's industrial progress .....	N 236
Copper mining properties in Nevada .....	MM 44	Minerals for glass manufacture .....	A 282	The alchemist's nightmare comes true .....	T 71	Mining in Morocco during 1957 .....	A 243
Copper ore in the Sinai Peninsula .....	MM 44	Subsidies for U.S. metal producers .....	MT 638	Mr. Harrod dares to predict .....	MF 77	Raw materials for Japanese industry .....	N 235
Copper can now compete .....	N 63	Fluorspar in the Soviet Union .....	A 694	China's industrial progress .....	N 236	Iron ore deposits of Mekambo .....	MM 250
Mining progress in the Philippines .....	N 65	Metals and minerals .....	MT 731	U.S. mining manufacturers .....	N 293	The Sino-Japanese barter contract .....	N 264
Pakistan's mineral resources .....	N 65	<b>GALLIUM</b>		Tanganyika's mining industry in 1957 .....	A 297	Asia looks to her minerals .....	N 293
Chile's plight .....	A 66	Metals and minerals .....	MT 46	Gold in China .....	MM 328	The ingredients of Australian steel .....	A 295
Toquepala copper deposits .....	MM 72	<b>GALENA</b>		Health for Colombian mining .....	N 377	Iron mining in Venezuela .....	A 295
Staking rush .....	MM 72	Prospecting and mining in Uganda .....	N 37	Metals and minerals .....	MT 388	Iron ore mines in Bangkok .....	MM 300
Copper in Japan .....	MM 105	The mineral deposits of Cuba .....	A 410	The mineral deposits of Cuba .....	A 410	Iron ore mines at Acari .....	MM 355
Purchase rates for copper .....	MM 105	Mineral production in Malaya .....	MM 416	New developments in gold reduction .....	A 440	Health for Colombian mining .....	N 377
The Porphyry Coppers in 1956 .....	R 106	China's gold production .....	MM 541	China's gold production .....	MM 541	Chinese steel mission in Japan .....	MM 385
Mining starts at Timna .....	N 129	Mineral resources of the Sahara .....	MM 568	Gold mining in Sarawak .....	MM 604	New heavy industry .....	MM 385
Canada's shopping list .....	A 135	Mining in Roumania .....	M 688	Gold mining in New Zealand .....	MM 664	Turkey's iron and steel works .....	MM 416
Blueprint for mining development in Yugoslavia .....	A 156	<b>GARNET</b>		Swedish mineral output .....	MM 696	Steel works in Minas Gerais .....	MM 416
Chilean copper .....	MM 160	Tanganyika's mining industry in 1957 .....	A 298	U.S. allowances for gold mining companies .....	MM 755	State .....	MM 416
Copper in Namaqualand .....	MM 160	<b>GAS</b>		<b>GRAPHITE</b>		Mineral production in Malaya .....	MM 416
Copper industry .....	MM 160	Imporation of liquefied natural gas .....	MM 188	Graphite deposits in Norway .....	MM 160	Expansion in South Australian steel .....	N 439
Setback to Eire's mining hopes .....	N 181	The North Western Gas Board .....	MM 250	The Mining industry of South West Africa .....	A 210	Recession hits Malaya's iron mines .....	N 468
A "buyers' market" for coal .....	A 186	Underground gasification .....	T 384	Graphite in India .....	MM 214	Iron in Turkey .....	MM 475
Exploration in Canada .....	A 186	Exemption of Import Duties on methane .....	MM 417	<b>GYPSUM</b>		Turkish mineral production .....	MM 475
Japanese copper smelters cut production .....	MM 189	Mineral resources of the Sahara .....	A 566	Pakistan's mineral resources .....	N 65	Isacc News .....	MM 308
Not much room for manoeuvre .....	MF 193	Mining in Roumania .....	M 688	Tanganyika's mining industry in 1957 .....	A 298	Changing techniques in steel production .....	N 533
The Continent uses more copper .....	N 208	<b>GEMSTONES</b>		Mineral wealth of the Dominican Republic .....	A 534	Mineral resources of the Sahara .....	A 566
Poland's copper prospects .....	A 211	Emeralds in Southern Rhodesia .....	MM 188	A promising gypsum deposit .....	A 571	Iron ore resources of Ceylon .....	MM 574
An experimental mill .....	MM 214	Control of precious stones in Southern Rhodesia .....	N 348	Gypsum in the Philippines .....	MM 574	Ferroalloys .....	MM 604
Copper in the Philippines .....	MM 214	Belting emerald claim .....	MM 755	<b>HAFNIUM</b>		Minerals research in Turkey .....	N 627
Kennecott's new electrolytic copper refinery .....	MM 214	<b>GERMANIUM</b>		Metals and minerals .....	MT 759	Prospects for an economic Eurafica .....	A 630
Chuquibambilla copper mines .....	MM 214	U.S. mineral output in 1957 .....	A 38	<b>ILMENITE</b>		Relation of magnetic susceptibility to composition .....	T 633
Magazine entitled "Copper" .....	MM 214	<b>GILSONITE</b>		U.S. mineral output in 1957 .....	A 38	Iron ore in the Chingtiieh Mountains .....	MM 663
Mineral production in Northern Rhodesia .....	MM 250	New methods of mining gilsonite .....	A 238	Ceylon mineral sands .....	MM 72	Australia's expanding steel industry .....	N 689
Britannia Copper Mines .....	MM 272	<b>GOLD—AUSTRALIA</b>		Ilmenite near Suprabum .....	MM 134	Iron ore quarry in South Australia .....	A 692
U.S. mineral output in 1957 .....	N 292	Brighter horizons for New Zealand mining .....	N 8	Ilmenite mining in Florida .....	MM 250	Iron ore from Nyasaland .....	MM 695
Tanganyika's mining industry in 1957 .....	A 298	Australia's metal mining industry .....	N 321	Australia's metal mining industry .....	N 321	China's steel output .....	MM 696
Copper in Arizona .....	MM 300	Gold mining in Australia .....	MM 696	Mineral production in Malaya .....	MM 416	Post-war mining developments in Latin America .....	A 724
Honeyman and after .....	N 319	<b>ILMENITE</b>		<b>KAOLIN</b>		Iron from Southern Rhodesia .....	MM 728
Australia's metal mining industry .....	MM 321	U.S. mineral output in 1957 .....	A 38	High grade kaolin, South Africa .....	MM 385	Japan's iron ore imports .....	MM 728
Copper works in Israel .....	MM 328	<b>GILSONITE</b>		Kaolin reserves, Stellenbosch .....	MM 663	<b>KYANITE</b>	
Ore Knob Mine .....	MM 328	New methods of mining gilsonite .....	A 238	<b>HAFNIUM</b>		Export of Kyanite .....	MM 44
Facts are the best market stabilizer .....	N 407	<b>GILSONITE</b>		Metals and minerals .....	MT 759	The mining industry of South West Africa .....	A 210
The mineral deposits of Cuba .....	A 409	<b>GOLD—AUSTRALIA</b>		<b>ILMENITE</b>		<b>LEAD</b>	
Copper ores at Ghana .....	MM 446	Brighter horizons for New Zealand mining .....	N 8	U.S. mineral output in 1957 .....	A 38	Lead in laboratory drainage systems .....	T 71
First shipment from Avoca .....	A 469	Australia's metal mining industry .....	N 321	Ceylon mineral sands .....	MM 72	Lead in Avila .....	MM 72
Penarroya's world-wide interests .....	A 470	Gold mining in Australia .....	MM 696	Ilmenite near Suprabum .....	MM 134	Aid for West German lead and zinc .....	N 96
Mineral production in Turkey .....	MM 475	<b>ILMENITE</b>		Ilmenite mining in Florida .....	MM 250	World-wide lead-zinc drive .....	N 152
Copper in South America .....	MM 508	U.S. mineral output in 1957 .....	A 38	Australia's metal mining industry .....	N 321		
Making bad worse ? .....	N 532	Mineral production in Malaya .....	MM 416	Mineral production in Malaya .....	MM 416		
Reduction in U.S. copper production .....	MM 541	Ilmenite in Gambia .....	A 602				
West German copper consumption .....	MM 541						



A lead bearing area (Brazil) .. MM 160  
 Setback to Eire's mining hopes .. N 180  
 Lead beats corrosion .. T 190  
 Lead-zinc cutbacks in Australia .. MF 193  
 Mining in Morocco during 1957 .. A 243  
 Lead mine at Idre .. MM 250  
 Lead and zinc mines at Sligo .. MM 300  
 Lead plants in Brazil .. MM 300  
 The lead industries .. MM 355  
 Facts are the best market stabilizer .. N 407  
 Lead ore in Nigeria .. MM 446  
 Penarroya's world-wide interests .. A 470  
 Production records in Australia .. MM 475  
 "Exciting" new uses for lead .. N 596  
 Yugoslav mining and metallurgy in 1957 .. A 598  
 Non-ferrous metals in Brazil .. A 629  
 Subsidies for U.S. metal producers .. MT 638  
 Cutback in lead production .. MM 755  
 Post-war mining developments in Latin America .. A 724  
 To stockpile or not to stockpile? .. MT 759  
 (See also weekly notes under "Metals and Minerals")

**LEPIDOLITE**  
 Minerals for glass manufacture .. A 382

**LIGNITE**  
 Nevels strips for action .. A 67  
 Lignite in Denmark .. MM 105  
 Czech soft coal output .. MM 508  
 Turov brown coal mine in Wroclaw .. MM 728

**LIMESTONE**  
 Minerals for glass manufacture .. A 382

**LITHIUM**  
 Metals and minerals .. MT 46, 273  
 The mining industry of South West Africa .. A 210  
 Minerals for glass manufacture .. A 382  
 Minerals produced in Southern Rhodesia .. MM 755

**MAGNESITE**  
 Brazil's growing mineral industry .. A 12  
 Exploration in Canada .. A 186  
 Metals and minerals .. MT 479

**MAGNESIUM**  
 Metals and minerals .. MT 46, 163, 218, 360, 419, 576, 699

**MANGANESE**  
 U.S. mineral output in 1957 .. A 38  
 Britain's imports from Russia .. MM 105  
 A manganese ore deposit .. MM 160  
 The mining industry of South West Africa .. A 210  
 Manganese in Egypt .. MM 214  
 Mining in Morocco during 1957 .. A 243  
 U.K. mining manufacturers .. R.S.V.P. N 293  
 New border disputes in North Africa .. N 320  
 Manganese deposits in Bolivar State .. MM 355  
 A new heavy industry .. MM 385  
 The mineral deposits of Cuba .. A 410  
 Manganese project in Brazil .. MM 541  
 Mineral resources of the Sahara .. A 566  
 Yugoslav mining and metallurgy in 1957 .. A 598  
 How long is a piece of string? .. MT 607  
 Mining in Romania .. N 688  
 Manganese deposits in Western Australia .. MM 695  
 Indian symposium on mineral beneficiation .. AA 756

**MARBLE**  
 Mineral wealth of the Dominican Republic .. A 534

**MERCURY**  
 Mercury arc converters for mine winders .. M 506

**MICA**  
 Deposit of mica in Turkey .. MM 160  
 Metals and minerals .. MT 218  
 Tanganyika's mining industry in 1957 .. A 297  
 Indian mica trade .. MM 447

**MOLYBDENUM**  
 U.S. mineral output in 1957 .. A 38  
 Metals and minerals .. MT 47, 164, 575  
 Exploration in Canada .. A 186  
 Molybdenum deposits in East Greenland .. MM 272  
 Molybdenum in Greenland .. MM 541

**MONAZITE**  
 India's uranium and thorium reserves .. N 348  
 Recovery of monazite .. T 384  
 Mineral production in Malaya .. MM 416  
 Uranium monazite in India .. N 626

**NEPHELINE SYENITE**  
 Minerals for glass manufacture .. A 381  
 Power stations for New South Wales .. N 469

**NICKEL**  
 Brazil's growing mineral industry .. A 12  
 U.S. mineral output in 1957 .. A 38  
 Japanese imports .. MM 72  
 Dominica's mineral resources .. N 128  
 Exploration in Canada .. A 186  
 Canadian prospects for 1958 .. A 241  
 New nickel mine in West Canada .. MM 250  
 Nickel copper concession in Ungava .. MM 272  
 New nickel electro-refining process .. N 293  
 The mineral deposits of Cuba .. A 409  
 Non-ferrous metals in the U.S.S.R. .. N 469  
 Mineral wealth of the Dominican Republic .. A 534  
 West German consumption .. MM 541  
 Mineral resources of the Sahara .. A 568  
 Now there ought to be enough .. MT 607  
 Upgrading cobalt-nickel stockpiles .. T 633  
 Lack of demand for nickel .. MM 635  
 Larymna nickel mines .. MM 696  
 (See also weekly notes under "Metals and Minerals")

**NIOBIUM**  
 Pilot plant for niobium extraction at Panda Hill .. A 40  
 Metals and minerals .. MT 192

**NITRATE**  
 Post-war mining developments in Latin America .. A 724

**OIL**  
 Oil—the catalyst of the platinum market .. MF 109  
 Blueprint for mining development in Yugoslavia .. A 156  
 The mining industry of South West Africa .. A 210  
 Reclaiming waste products .. M 216  
 China's industrial progress .. N 236  
 Mining in Morocco during 1957 .. A 243  
 Oil and timber operations in Ghana .. MM 250  
 Ultra-fine filtration .. M 383  
 Trincomalee oil installations .. MM 508  
 Oil in Assam .. MM 508  
 Mineral wealth of the Dominican Republic .. A 534  
 Mineral resources of the Sahara .. A 566  
 Mining in Albania .. N 597  
 Mineral research in Turkey .. N 627  
 Prospects for an economic Eurafria .. A 630  
 Mining in Romania .. N 688  
 Japan's export difficulties .. MM 696

**OPAL**  
 Opal mining in Australia .. A 324

**PETALITE**  
 Minerals for glass manufacture .. A 382

**PHOSPHATES**  
 Brazil's growing mineral industry .. A 12  
 Phosphate rock .. MM 18  
 Negev phosphate works .. MM 134  
 Mining in Morocco, 1957 .. A 243  
 Prospecting in Pernambuco .. MM 663  
 Israel's potash and phosphate industries .. N 749

**PLATINUM**  
 Metals and minerals .. MT 76, 137, 217, 479, 575, 607  
 Britain's imports from Russia .. MM 105  
 Oil—the catalyst of the platinum market .. MF 109  
 Weak outlook for platinum confirmed .. MF 165  
 Marginal comment .. N 347  
 Health for Colombian mining .. N 377  
 De-stocking platinum .. MT 607

**POTASH**  
 Potash mine in Saskatchewan .. MM 44  
 Potash in Saskatoon .. MM 72  
 Canada's shopping list .. A 135  
 Potash in Jordan .. MM 214  
 Canadian prospects in 1958 .. A 242  
 Potash in Sicily .. N 265  
 The future of potash .. N 377  
 Israel's potash and phosphate industries .. N 749

**PYRITES**  
 Australia's metal mining industry .. N 321  
 The mineral deposits of Cuba .. A 409

**QUICKSILVER**  
 The alchemists' nightmare comes true .. T 71  
 Metals and minerals .. MT 75, 107, 191, 245, 387, 543, 638  
 Italian quicksilver in 1957 .. N 748

**RADIUM**  
 History by air .. N 181

**RARE EARTHS**  
 U.S. mineral output in 1957 .. A 38  
 Metals and minerals .. MT 330

Evaluating rare earth samples .. T 384  
 Radiotracer research .. MM 663

**RUTILE**  
 Australian rutile .. MM 280  
 Metals and minerals .. MT 731

**SALT**  
 Salt industry .. MM 44  
 Pakistan's mineral potential .. N 438  
 Mineral wealth of the Dominican Republic .. A 534  
 Mining in Romania .. N 688

**SHEELITE**  
 Brazil's growing mineral industry .. A 12  
 Mineral production in Malaya .. MM 416  
 Scheelite producers' hit .. MT 759

**SELENIUM**  
 U.S. mineral output in 1957 .. A 38  
 Metals and minerals .. MT 218, 544

**SILICON**  
 Metals and minerals .. MT 218  
 Minerals for glass manufacture .. A 381

**SILVER**  
 Brighter horizons for New Zealand mining .. N 8  
 Metals and minerals .. MT 137  
 Mining in Morocco during 1957 .. A 243  
 U.K. mining manufacturers .. R.S.V.P. N 293  
 Southern Rhodesia's mineral production .. MM 416  
 Penarroya's world-wide interests .. A 470  
 Norway's mining prospects .. A 571  
 Swedish mineral output .. MM 696

**SPODUMENE**  
 Minerals for glass manufacture .. A 382

**SULPHUR**  
 Pakistan's mineral resources .. N 65  
 Metals and minerals .. MT 108  
 The European market for pyritic sulphur .. A 130  
 Sulphuric acid and the mining industry .. A 294  
 Sulphur deposits in Chile .. MM 300  
 Australia's metal mining industry .. N 321  
 First shipments from Avoca .. N 469  
 Turkish mineral products in 1957 .. MM 475  
 Producer of sulphuric acid .. MM 508  
 Polish sulphur mine .. MM 541  
 Mexico's output of sulphur .. MM 755  
 Post-war mining developments in Latin America .. A 724

**TACONITE**  
 America's iron ore requirements .. A 270

**TALC**  
 Korean talc plant .. MM 574

**TANTALUM**  
 Metals and minerals .. MT 108, 418  
 Development of columbium and tantalum .. A 325  
 Canadian occurrences of columbium and tantalum minerals .. A 352  
 Norway's mining prospects .. A 571

**THORIUM**  
 Radioactive minerals in Ceylon .. MM 300

**THORIUM**  
 Radioactive occurrences in Southern Rhodesia .. N 209  
 Atomic energy in India .. N 337  
 India's uranium and thorium reserves .. N 248  
 Thorium in Northern Greece .. MM 385  
 Developing India's atomic energy .. N 500  
 Metals and minerals .. MT 759

**TIN**  
 Prospecting and mining in Uganda .. N 37  
 Nigeria's tin quotas .. FN 50  
 A large tin mine .. MM 72  
 But some mines are more equal than others .. FN 78  
 The Maranboy tinfield .. MM 105  
 Britain's imports from Russia .. MM 105  
 Tin Agreement under strain .. N 127  
 Malayan diary .. A 153  
 Reserves of tin .. MM 160  
 Can this be ignorance? .. N 179  
 The pattern of tin distribution .. N 180  
 Low ebb of Australian tin .. N 209  
 Labour and tin control in Malaya .. A 213  
 Banks Island tin mines .. MM 250  
 Tanganyika's mining industry in 1957 .. A 298  
 Fresh applications for tin .. MM 355  
 Tin concentrates from Thailand .. MM 355  
 The Malayan tin picture .. N 376  
 Mining Corporation of Bolivia .. MM 386  
 Australia's search for tin ore .. N 408  
 Malayan tin in 1957 .. MM 446  
 Non-ferrous metals in the U.S.S.R. .. N 469

Tin: the impact of restriction .. MF 512  
 West German consumption .. MM 541  
 Tin in the Soviet economy .. N 564  
 The incidence of tin restriction .. MT 607  
 Non-ferrous metals in Brazil .. A 629  
 Important Malayan tin mining area .. MM 634  
 The I.T.C. stands fast .. N 655  
 Tin in Nova Scotia .. MM 728  
 Retrenchment in Malaya .. N 688  
 Will Russia play ball with the I.T.A. .. N 745  
 Productivity in Malayan tin mines .. A 750  
 (See also weekly notes under "Metals and Minerals")

**TITANIUM**  
 U.S. mineral output in 1957 .. A 38  
 (See also weekly notes under "Metals and Minerals")

**TUNGSTEN**  
 Prospecting and mining in Uganda .. N 37  
 U.S. mineral output in 1957 .. A 38  
 The goose with the tungsten eggs .. N 65  
 Tungsten sponge as additive for special steels .. T 104  
 Metals and minerals .. MT 137, 274, 388, 448  
 Subsidies for U.S. metal producers .. MT 638

**URANIUM**  
 Brighter horizons for New Zealand mining .. N 8  
 Discovery of radioactive ore .. MM 44  
 Uranium prospects in Labrador .. MM 44  
 Algoma's new uranium mines at Blind River .. A 68  
 Brazil speeds uranium search .. N 152  
 Uranium from Colombia .. MM 160  
 Uranium talks pending in South Africa .. MF 165  
 History by air .. N 181  
 Uranium in the Wankie area of Southern Rhodesia .. MM 188  
 Canadian uranium producers good progress .. MF 194  
 Radioactive occurrences in Southern Rhodesia .. N 208  
 The mining industry of South West Africa .. A 210  
 Uranium in the Northern Territory of Australia .. MM 214  
 Atomic energy in India .. N 237  
 Canadian prospects for 1958 .. A 241  
 Rand, Klerksdorp and O.F.S. gold and uranium producers .. MF 247  
 Uranium in Pakistan .. MM 250  
 Germany's nuclear programme .. N 264  
 India's uranium and thorium reserves .. N 348  
 Australia's uranium producers .. N 349  
 Uranium in Finland .. MM 355  
 Uranium in Northern Greece .. MM 385  
 Japan atomic energy .. MM 385  
 Uranium on the Labrador Coast .. MM 385  
 South Africa after the election .. N 438  
 South Australia's uranium mining .. MM 447  
 Uranium in Switzerland .. MM 475  
 Asphalt-bearing rocks—potential sources of uranium .. T 478  
 Tinto's uranium optimism .. MF 517  
 Do you believe in uranium? .. MF 545  
 Uranium's horizons are widening .. N 563  
 The new uranium arrangements .. MF 577  
 Australia's uranium industry .. N 597  
 Uranium and monazite in India .. N 626  
 Rand, Klerksdorp and O.F.S. gold and uranium producers .. MF 641  
 Uranium in Greece .. MM 663  
 Mining in Romania .. N 688  
 Methods of uranium recovery in the U.S.A. .. A 693  
 Southern Rhodesia's radioactive occurrences .. A 753  
 Uranium ore in Antarctica .. MM 755  
 Indian Symposium on mineral beneficiation .. A 756  
 (See also weekly notes on "Metals and Minerals")

**WOLFRAM**  
 Metals and minerals .. MT 46, 107, 162  
 The mining industry of South West Africa .. A 210  
 Mineral production in Malaya .. MM 416  
 Non-ferrous metals in the U.S.S.R. .. N 469

**ZINC**  
 U.S. mineral output in 1957 .. A 38  
 Zinc-plating process .. T 71  
 Aid for West German lead and zinc .. N 96  
 Britain's imports from Russia .. MM 105  
 World-wide lead-zinc drive .. N 152  
 Blueprint for mining development in Yugoslavia .. A 156  
 By-product zinc .. MM 160  
 Setback to Eire's mining hopes .. N 180

The Eagle-Picher Co. . . . .	MM 188
Mathiesen and Hegeler Zinc Co. . . . .	MM 188
Lead-zinc cutbacks in Australia . . . . .	MF 193
Mining in Morocco during 1957 . . . . .	A 243
National Zinc Co. . . . .	MM 272
Lead and zinc mines at Sligo . . . . .	MM 300
Australia's metal mining industry . . . . .	N 321
Zinc smelting plant . . . . .	MM 385

Facts are the best market stabilizer . . . . .	N 407
Penarroya's world-wide interests . . . . .	A 470
Production records in Australia . . . . .	MM 475
Mineral resources of the Sahara . . . . .	A 566
Yugoslav mining and metallurgy in 1957 . . . . .	A 598
Non-ferrous metals in Brazil . . . . .	A 629
Subsidies for U.S. metal producers . . . . .	MT 638

U.S. zinc cuts . . . . .	MM 696
Zinc in Canada . . . . .	A 722
Post-war mining developments in Latin America . . . . .	A 724
Canada's zinc resources . . . . .	A 750
Indian Symposium on mineral beneficiation . . . . .	A 756
To stockpile or not to stockpile (See also weekly notes under "Metals and Minerals") . . . . .	MT 759

<b>ZIRCON</b>	
Australian zircon . . . . .	MM 250
Australia's metal mining industry . . . . .	N 321
India's uranium and thorium reserves . . . . .	N 348
<b>ZIRCONIUM</b>	
U.S. mineral output in 1957 . . . . .	A 38
Atomic energy in India . . . . .	N 237
Metals and minerals . . . . .	MT 359

## Countries

<b>ABYSSINIA</b>	
The North Pole was once in Ethiopia . . . . .	N 565

<b>ALBANIA</b>	
Mining in Albania . . . . .	N 597

<b>ALGERIA</b>	
Iron ore of Ouenza . . . . .	MM 250
More border disputes in North Africa . . . . .	N 320
Penarroya's world-wide interests . . . . .	A 470
Mineral Resources of the Sahara . . . . .	A 566

<b>ANGOLA</b>	
Aluminium plant in Angola . . . . .	MM 134

<b>ARGENTINE</b>	
Rio Turbio coal mines . . . . .	MM 214
U.K. mining manufacturers R.S.V.P. . . . .	N 293
Penarroya's world-wide interests . . . . .	A 470
Argentina a coal shipping port . . . . .	MM 509
Australian coal to Argentine . . . . .	MM 509
A technical team from the U.S. . . . .	MM 695

<b>AUSTRALIA</b>	
Assaying of radioactive rocks and ores . . . . .	R 24
Prisms of bluish beryl . . . . .	MM 72
The Maraboy tin field . . . . .	MM 105
The background of aluminium . . . . .	A 154
The future of Australian alumina . . . . .	A 184
Lead-zinc cutbacks in Australia . . . . .	MF 193
Low ebb of Australian tin . . . . .	N 209
Power for Australian aluminium . . . . .	A 212
Uranium in the northern territory . . . . .	MM 214
Rain a la mode . . . . .	MF 220
Australian rutile and zircon . . . . .	MM 250
Sulphuric acid and the mining industry . . . . .	A 294
The ingredients of Australian steel . . . . .	A 295
Australia's metal mining industry . . . . .	N 320
Opal mining in Australia . . . . .	A 324
Australia's uranium producers . . . . .	N 349
Australia's search for tin ore . . . . .	N 408
Expansion in South Australian steel . . . . .	N 439
Coke from brown coal . . . . .	MM 447
South Australian uranium mining . . . . .	MM 447
Royalties on Western minerals . . . . .	N 468
Power station for New South Wales . . . . .	N 469
Production records in Australia . . . . .	MM 475
Contracts and tenders . . . . .	MM 475
Australian coal to Argentina . . . . .	MM 509
Australia's uranium industry . . . . .	N 597
Help for Australian copper producers . . . . .	N 656
Iron Knob plant . . . . .	MM 663
Gold mining in Australia . . . . .	MM 696
Australia's expanding steel industry . . . . .	N 689
Iron ore quarry in South Australia . . . . .	A 692

<b>AUSTRIA</b>	
Austrian steel output in 1957 . . . . .	MM 446
Austrian aluminium production in 1957 . . . . .	MM 446
The development of turbodrills in Europe . . . . .	A 692

<b>BECHUANALAND</b>	
Bechuanaland's search for minerals . . . . .	N 9
Mineral concessions . . . . .	MM 134
Mineral deposits in Bechuanaland . . . . .	MM 214
Mineral prospecting concession in Bechuanaland . . . . .	MM 272

<b>BELGIUM</b>	
Crawling around the world . . . . .	A 40
The Brussels Universal and International Exhibition . . . . .	A 445
Contracts and tenders . . . . .	MM 447
Community coal stocks rising . . . . .	N 565
Third International Coal Preparation Congress . . . . .	A 723
<b>BELGIAN CONGO</b>	
Tin agreement under strain . . . . .	N 128
Hydro-electric scheme at Itg. . . . .	MM 214
Diamond industry in the Belgian Congo . . . . .	A 267
The development of columbium and tantalum . . . . .	A 325

<b>BOLIVIA</b>	
*in Agreement under strain . . . . .	N 128

<b>BRAZIL</b>	
Brazil's growing mineral industry . . . . .	A 12
Brazil speeds uranium search . . . . .	N 152
The background of aluminium . . . . .	A 154
No geological exploration . . . . .	MM 160
A lead bearing area . . . . .	MM 160
Prospecting in Brazil . . . . .	MM 214
Aluminium production in Brazil . . . . .	MM 250
America's iron ore requirements . . . . .	A 270
Lead plants in Brazil . . . . .	MM 300
Steel works in Minas Gerais . . . . .	MM 416
Japanese steel project U.S.-MINAS . . . . .	MM 416
Manganese project in Brazil . . . . .	MM 541
Non-ferrous metals in Brazil . . . . .	A 629
International Investment Conference . . . . .	MM 635
Copper at Minas Gerais . . . . .	MM 663
Brazilian iron exports . . . . .	MM 663
Prospecting in Pernambuco . . . . .	MM 663
Postwar mining developments in Latin America . . . . .	A 724

<b>BRITISH BORNEO</b>	
Borneo Geological Survey . . . . .	MM 541
<b>BRITISH GUIANA</b>	
The background of aluminium . . . . .	A 154
The development of columbium and tantalum . . . . .	A 326

<b>BULGARIA</b>	
Ores in Bulgaria . . . . .	MM 272
Bulgarian mining plant for China . . . . .	N 721
<b>BURMA</b>	
Ilmenite near Suprabum . . . . .	MM 134
Burma's minerals and oil resources . . . . .	MM 250
Burmese coal . . . . .	MM 541
Contracts and tenders . . . . .	MM 665

<b>CANADA</b>	
Permanent trade mission office . . . . .	MM 18
Canada speeds mining research . . . . .	N 36
Aluminium's progress and prospects . . . . .	N 36
Jet-piercing hard rock . . . . .	A 42
Potash mine in Saskatchewan . . . . .	MM 44
Canada's new uranium mines at Blind River . . . . .	A 68
Staking rush . . . . .	MM 72
Operation MacKenzie . . . . .	A 97
Canada's shopping list . . . . .	A 135, 189
Gold strike . . . . .	MM 160
Exploration in Canada . . . . .	A 186
Canadian uranium producers' good progress . . . . .	MF 194
Canada extends E.G.M.A. . . . .	N 208
Canadian prospects for 1958 . . . . .	A 241
Molybdenum-gold in Canada . . . . .	MM 250
Surveying in Quebec . . . . .	MM 250
A new nickel mine in West Canada . . . . .	MM 250
America's iron-ore requirements . . . . .	A 270
Britannia Copper Mines . . . . .	MM 272
Iron curtain in British Columbia . . . . .	N 291
Atomic energy for peaceful purposes . . . . .	MM 300
Colombo Plan . . . . .	MM 328
Canadian Geological Survey programmes . . . . .	N 348
Conveying around the world . . . . .	A 350
Canadian occurrences of columbium and tantalum . . . . .	A 352
The future of potash . . . . .	N 377
Electrical installations at Baie Comaux . . . . .	A 380
Uranium on the Labrador Coast . . . . .	MM 385
Iron ore deposit in Ungava . . . . .	MM 385
Ash River project off Vancouver . . . . .	MM 386
Low grade ore in North American steel production . . . . .	A 441
Canadian industrial minerals . . . . .	R 454
The Ripple Rock project . . . . .	N 469
Mining claims . . . . .	FN 482
In search of Dollar orders . . . . .	N 499
Copper at Quebec . . . . .	MM 508
Geophysical survey in British Columbia . . . . .	MM 508
Uranium's horizons are widening . . . . .	N 563
Symposium on Cardio-Respiratory Diseases . . . . .	MM 635
Johns-Manville in the Centenary year . . . . .	A 658
Iron ore shipments on the Great Lakes . . . . .	MM 695
Opemiska Mines . . . . .	MM 695

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

<b>CHINA</b>	
Ore deposits . . . . .	MM 18
The background of aluminium . . . . .	A 154
Raw materials for Japanese industry . . . . .	N 235
China's industrial progress . . . . .	N 236
Sino-Japanese barter contract . . . . .	N 264
Gold in China . . . . .	MM 328
Geological Survey . . . . .	MM 328
Trade agreement . . . . .	MM 355
Chinese steel mission in Japan . . . . .	MM 385
Large ore deposits . . . . .	MM 416
Coal production in China . . . . .	MM 446
China's gold production . . . . .	MM 541
Tin in the Soviet economy . . . . .	N 564
Sino-Soviet Scientific expedition . . . . .	MM 634
The I.T.C. stands fast . . . . .	N 656
Iron in the Chingteh mountains . . . . .	MM 663
China's outpacing the N.C.B.T. . . . .	N 689
China's steel output . . . . .	MM 696
Bulgarian mining plant for China . . . . .	N 721

Symposium on Cardio-Respiratory Diseases .. ..	MM 635
Johns-Manville in the Centenary year .. ..	A 658
Iron ore shipments on the Great Lakes .. ..	MM 695



- Uranium and thorium in West Greece .. MM 385  
 Penarroya's world-wide interests .. A 470  
 Reports of lignite .. MM 574  
 Uranium in Greece .. MM 663  
 Larymna nickel mines .. MM 696
- GREENLAND**  
 Coal in Greenland .. MM 446  
 Molybdenum in Greenland .. MM 541
- GUATEMALA**  
 Property of Consolidated Halliwell .. MM 634
- HAITI**  
 The background of aluminium .. A 154
- HUNGARY**  
 Underground coal transport .. MM 72  
 Search in the Matra Mountains .. MM 105  
 Electric coal drills .. MM 135  
 The background of aluminium .. MM 230  
 Hungary's opencast coal mines .. MM 250  
 Trade Agreement .. MM 355  
 Daily coal production in Hungary .. MM 475  
 East European countries to boost coal .. N 627  
 Hungary constructing new mines .. MM 634  
 Hungarian compressor plant .. MM 755
- ICELAND**  
 Contracts and tenders .. MM 386
- INDIA**  
 Technical aid for the Far East .. A 35  
 Aluminium plant at Mettur .. MM 44  
 Export of Kyanite .. MM 44  
 Nevelli strips for action .. A 67  
 Iron ore in India .. N 129  
 The background of aluminium .. A 154  
 Exploitation of the Kolar goldfield .. N 181  
 Scientific research in India .. MM 214  
 Graphite in India .. MM 24  
 Raw materials for Japanese industry .. N 235  
 Atomic energy in India .. N 237  
 Agreement in New Delhi .. MM 328  
 India's uranium and thorium reserves .. N 348  
 Non-ferrous metals .. MM 355  
 Geological mapping in India .. MM 416  
 Indian coal production in 1957 .. MM 446  
 Divisional offices of Mines and Geology .. MM 446  
 Copper ores at Ghani .. MM 446  
 First mine cut in Nevelli .. MM 446  
 Indian mica trade .. MM 447  
 Contracts and tenders .. MM 447  
 Developing India's atomic energy .. N 500  
 Oils in India .. MM 508  
 Oil in Assam .. MM 508  
 Chrome in India .. MM 541  
 Mineral concession rules .. MM 604  
 Uranium and monazite in India .. MM 627  
 Indian mineral production .. MM 755  
 Indian Symposium on Mineral Beneficiation .. A 756
- INDONESIA**  
 Tin Agreement under strain .. N 128  
 The background of aluminium .. A 154  
 The Billiton tin mine .. MM 250  
 The Billiton Joint Mining Co. .. MM 300  
 Withdrawal of mining concessions .. MM 604
- IRAQ**  
 Penarroya's world-wide interests .. A 470
- ISRAEL**  
 Clay in the Negev .. MM 18  
 Mining starts at Timna .. N 129  
 Trade mission .. MM 134  
 Negev phosphate works .. MM 154  
 Israel Exhibition .. MM 215  
 Copper works at Timna .. MM 328  
 The future of potash .. N 377  
 Dead Sea potash works .. MM 574  
 Israel's potash and phosphate industries .. N 749
- ITALY**  
 Crawling around the world .. A 40  
 The future of potash .. N 377  
 Italian steel products in 1957 .. MM 416  
 Trade protocol .. MM 447  
 Penarroya's world-wide interests .. A 470  
 Tunneling Mont Blanc .. MM 605  
 Italian quicksilver in 1957 .. N 748
- JAMAICA**  
 The background of aluminium .. A 154  
 Iron and copper deposits .. MM 280
- JAPAN**  
 Iron ore imports from India .. MM 44  
 Copper in Japan .. MM 105  
 Japan's dilemma .. N 151  
 Kawasaki Steel Corporation of Japan .. MM 160  
 Japanese copper smelters cut production .. MM 189  
 Raw materials for Japanese industry .. N 235  
 Contracts and tenders .. MM 272
- Asia looks to her minerals .. N 293  
 Atomic energy .. MM 385  
 Chinese steel mission in Japan .. MM 385  
 Japanese steel project US-MINAS .. MM 416  
 Japan asks for mining rights in Chile .. MM 695  
 Japan's export difficulties .. MM 696  
 Japan's iron ore imports .. MM 728
- JORDAN**  
 Potash in Jordan .. MM 214
- KENYA**  
 Concessions in rail freight rates .. MM 634  
 Survey of Kenya .. MM 728
- KOREA**  
 Contracts and tenders .. MM 45  
 356, 417, 574, 604
- LIBERIA**  
 8,000-tons-an-hour project in Liberia .. A 14
- MADAGASCAR**  
 Nickel and semi-precious stones .. MM 446
- MALAYA**  
 Swan song for Malayan coal .. N 9  
 Lead rehabilitation in Malaya .. A 15  
 But some mines are more equal than others .. FN 78  
 Five years of mining in Malaya .. A 98  
 Tin agreement under strain .. N 127  
 Malayan diary .. A 153  
 The background of aluminium .. A 154  
 Kelantan State .. MM 160  
 Iron in Malaya .. MM 160  
 Can this be ignorance? .. N 179  
 Labour and tin control .. A 213  
 "Pok Chau" mine operation in Malaya .. A 269  
 Asia looks to her minerals .. N 292  
 The Malayan tin picture .. N 376  
 Mineral production in Malaya, 1957 .. MM 416  
 Malayan tin in 1957 .. MM 446  
 Recession hits Malaya's iron mines .. N 468  
 Tin and the impact of restriction .. MF 512  
 Penang Survey .. MM 508  
 Productivity in the mining industry .. A 603  
 Important Malayan tin mining area .. MM 634  
 The I.T.C. stands fast .. N 655  
 F.M.S. Chamber of Mines .. ME 671  
 Retrenchment in Malaya .. N 688  
 Productivity in Malayan tin mines .. A 750
- MAURITANIA**  
 Penarroya's world-wide interests .. A 470  
 Mineral resources of the Sahara .. A 566  
 Prospects for an economic Africa .. A 630  
 Mining laws of French West Africa .. N 656
- MEXICO**  
 Conveying around the world .. A 350  
 Mexico's output of sulphur .. MM 755  
 Post-war mining developments in Latin America .. A 724
- MOROCCO**  
 Moroccan mines output .. MM 105  
 Mining in Morocco during 1957 .. A 243  
 More border disputes in North Africa .. N 320  
 Penarroya's world-wide interests .. A 470  
 The substance or the shadow? .. N 625  
 Prospects for an economic Eurafica .. A 630
- NICARAGUA**  
 Rosita copper-gold project .. MM 755
- NAMAQUALAND**  
 Copper in Namaqualand .. MM 160
- NEW CALEDONIA**  
 Japanese imports .. MM 72
- NEW ZEALAND**  
 Brighter horizons for New Zealand mining .. N 8  
 The iron sands of New Zealand .. A 131  
 Gold mining in New Zealand .. MM 664
- NIGERIA**  
 Nigerian tin quotas .. FN 50  
 Tin Agreement under strain .. N 128  
 The Nigerian coal corporation .. A 298  
 Development of columbium and tantalum .. A 325  
 Lead ore in Nigeria .. MM 446  
 Loan to Nigeria .. MM 541
- NORTHERN RHODESIA**  
 Wage claims .. MM 72  
 Not much room for manoeuvre .. MF 193  
 Mineral production in Northern Rhodesia .. MM 250  
 Honeyman and after .. N 319  
 The development of columbium and tantalum .. A 326  
 Revised legislation for Northern Rhodesian mining .. N 408
- Concrete headgear by continuous pouring .. A 411  
 First load of ore from Chingola .. MM 508
- NORWAY**  
 Graphite deposits in Norway .. MM 160  
 The development of columbium and tantalum .. A 325  
 Norway's production of aluminium .. MM 328  
 Norway's mining prospects .. A 571  
 Ferro silicium .. MM 604  
 Roros Kobberverk .. MM 634  
 Copper in Norway .. MM 725
- NOVA SCOTIA**  
 Discovery of radioactive ore .. MM 44
- NYASALAND**  
 The background of aluminium .. A 154  
 Iron ore in Nyasaland .. MM 695
- PAKISTAN**  
 Pakistan's mineral resources .. N 65  
 Contracts and tenders .. MM 135, 447, 605  
 Coal in Pakistan .. MM 214  
 Uranium in Pakistan .. MM 250  
 Mining Development Corporation .. MM 328  
 Pakistan's mineral potential .. N 438  
 Chromite production in Pakistan .. N 532  
 Investigation team from Japan .. MM 574  
 Pakistan atomic energy commission .. MM 574  
 Chinese coal for Pakistan .. MM 695
- PANAMA**  
 Shipment of manganese .. MM 728
- PERU**  
 Crawling around the world .. A 40  
 Deposits of uranium ore .. MM 44  
 Toquepala copper deposits .. MM 72  
 Iron ore mines at Acari .. MM 355  
 Copper in South America .. MM 508  
 Post-war mining developments in Latin America .. A 724
- PHILIPPINES**  
 Mining progress in the Philippines .. N 65  
 Copper in the Philippines .. MM 214  
 Raw materials for Japanese industry .. N 235  
 Philex Mining Corporation .. MM 328  
 Gypsum in the Philippines .. MM 574  
 Contracts and tenders .. MM 605  
 Mineral production for 1957 .. MM 755
- POLAND**  
 Poland's collieries .. MM 44  
 Ore defreezing plant .. MM 134  
 Poland's copper prospects .. A 211  
 Agreement in New Delhi .. MM 328  
 Underground gasification .. N 384  
 A commercial agreement .. MM 447  
 Polish sulphur mine .. MM 541  
 Tin in the Soviet economy .. N 564  
 East European countries to boost coal .. N 627  
 Turów brown coal mine in Wrocław .. MM 728
- PORTUGAL**  
 The goose with the tungsten eggs .. N 64  
 Companhia Lusitana .. MM 105  
 The development of columbium and tantalum .. A 325  
 Diamond cutting industry in Portugal .. MM 355
- PORTUGUESE EAST AFRICA**  
 Prospecting for minerals .. MM 44  
 Contracts and tenders .. MM 729  
 Mining concessions .. MM 755
- ROMANIA**  
 The background of aluminium .. A 154  
 Mining in Romania .. N 688
- SARDINIA**  
 Coal mines in Sardinia .. MM 663
- SICILY**  
 Potash in Sicily .. N 265
- SIERRA LEONE**  
 Airborne exploration in Sierra Leone .. MM 446  
 Airborne exploration in West Africa .. MM 604
- SOUTH AFRICA**  
 Rand and O.F.S. December returns .. MF 49  
 Rand and O.F.S. monthly mine returns .. MR 50, 166, 333, 424, 579, 702  
 December Kafir Quarrelies .. MF 77  
 O.F.S. companies' tax position .. MF 77  
 Analysis of Rand and O.F.S. Quarrelies .. Sups. Jan. 31 & May 2  
 South Africa iron ore .. MM 105  
 Uranium talks pending in South Africa .. MF 165  
 Rand and O.F.S. returns for January .. MF 165  
 Witwatersrand production in 1975 .. MF 194
- South Africa's marginal mines .. N 207  
 Rand, Klerksdorp and O.F.S. gold and uranium producers .. N 247  
 South African coal .. N 265  
 Witwatersrand University .. MM 272  
 Sulphuric acid and the mining industry .. A 294  
 German industrialists in South Africa .. MM 328  
 Marginal comment .. N 340  
 Conveying around the world .. A 350  
 New treatment plant at Kimberley .. MM 355  
 South African and Rhodesian coal output for October-December 1957 .. MR 364  
 Rand Easter show .. MM 385  
 University of the Witwatersrand .. MM 385  
 New heavy industry .. MM 385  
 High grade kaolin .. MM 385  
 South Africa after the Elections .. N 437  
 Contracts and tenders .. MM 447, 475  
 Mr. A. W. Stead .. MM 447  
 Developing South Africa's chromite .. N 500  
 The contribution of geology to the mining industry .. A 504  
 Producer of sulphuric acid .. MM 508  
 "Isor News" .. MM 508  
 Uranium's horizons are widening .. N 563  
 The price of South African coal .. MF 609  
 Still a free market in Kaffirs .. MF 640  
 Rand, Klerksdorp and O.F.S. gold and uranium producers .. MF 641  
 Kaolin reserves and Stellenbosch .. MM 663  
 More Kafir dividends .. MF 702  
 Year Book and Guide to Southern Africa .. R 703  
 Final Kafir actions .. MF 733
- SOUTHERN RHODESIA**  
 Aerofall mill at Mangula mine, S. Rhodesia .. A 39  
 Deep level chrome in Southern Rhodesia .. N 152  
 Uranium in the Wankie area .. MM 188  
 Emeralds in Southern Rhodesia .. MM 188  
 Radioactive occurrences in Southern Rhodesia .. N 209  
 Southern Rhodesia's dwindling smallworkers .. N 237  
 Southern Rhodesian asbestos .. N 265  
 Control of precious stones in Southern Rhodesia .. N 348  
 Rhodesian mineral production .. MM 416  
 The Kariba project .. MM 475  
 Prospecting in Sinoia .. MM 508  
 Congress of the Rhodesian Mining Federation .. MM 634  
 Johns-Manville in centenary year .. A 659  
 Iron from Southern Rhodesia .. MM 728  
 Southern Rhodesian radioactive occurrences .. A 753  
 Bellingwe emerald claim .. MM 755  
 Minerals produced in Southern Rhodesia .. MM 755
- SOUTH WEST AFRICA**  
 South West Africa .. A 210  
 Diamond mining equipment in South West Africa .. M 327
- SPAIN**  
 Spain's mining machinery needs .. A 100  
 Contracts and tenders .. MM 272  
 The fall in coal production .. N 321  
 Penarroya's world-wide interests .. A 470  
 Spanish coal in 1957 .. MM 475  
 Spanish coal for coke making .. MM 508
- SUDAN**  
 Mineral extraction in French Sudan .. MM 728
- SWEDEN**  
 Swedish iron ore .. MM 214  
 Lead mine at Idre .. MM 260  
 Swedish mineral output .. MM 696  
 Economic survey .. R 764
- SWITZERLAND**  
 Coal mine at Grone .. MM 105  
 Atomic energy for peaceful purposes .. MM 300  
 Penarroya's world-wide interests .. A 470  
 Uranium in Switzerland .. MM 475
- TANGANYIKA**  
 Assets of Williamson Diamonds .. MM 72  
 Tanganyika's mining industry in 1957 .. A 297  
 The development of columbium and tantalum .. A 326  
 Southern Tanganyika coal deposits .. MM 416
- TASMANIA**  
 Australia's metal mining industry .. N 321
- THAILAND**  
 Tin Agreement under strain .. N 128  
 Tin concentrates from Thailand .. MM 355
- TUNISIA**  
 Penarroya's world-wide interests .. A 470  
 The shadow or the substance? .. N 625

Prospects for an economic	
Eurafrica	A 630
<b>TURKEY</b>	
Electrolytic copper refinery	MM 18
The background of aluminium	A 134
Coal washeries	MM 160
Deposit of mica	MM 160
Chrome producers' committee	MM 188
Turkey's reserves of chromite	MM 416
Turkey's iron and steel works	MM 416
Coal extraction in Turkey	MM 416
The chrome industry	MM 416
Turkey's chrome industry	N 468
Iron in Turkey	MM 475
Turkish mineral production,	
1957	MM 475
Turkish coal	MM 574
Minerals research in Turkey	N 627
Economic conditions in Turkey	MM 663

<b>UGANDA</b>	
Prospecting and mining in	
Uganda	N 37
Research at Royal School of	
Mines	A 182
Concessions in rail freight rates	MM 634

<b>UNITED STATES OF AMERICA</b>	
Recession, recovery or readjust-	
ment?	N 7
Aluminium's progress and pros-	
pects	N 37
U.S. mineral output in 1957	A 38
U.S. stockpile requirements	MT 75
A mild tonic for Uncle Sam	N 95
U.S. Office of Defense Mobil-	
ization	MM 103
The Kings River project, Nevada	A 132
The U.S. stockpile report	MT 137
World-wide lead-zinc drive	N 152
The background of aluminium	A 154
Hawaii's promising bauxite in-	
dustry	MM 160

<b>AIR SURVEY</b>	
Airborne prospecting in North	
America	MM 160
History by air	N 181
Tanganyika's mining industry in	
1957	A 298
Radioactive minerals in Ceylon	MM 300
Canadian geological survey pro-	
gramme	N 348
The value of aerial surveys	N 349
Pakistan's mineral potential	A 438
Airborne exploration in Sierra	
Leone	MM 446
Searching for copper in Upper	
Michigan	MM 508
Mineral resources of the Sahara	A 568
Aerial survey contracts in	
Bolivia	MM 574
Airborne exploration in West	
Africa	MM 604
Non-ferrous metals in Brazil	A 628
Helicopter use in Alaska	MM 696
Survey of Kenya	MM 728
Hunting Group Air Survey	
Conference	MM 729
The world's largest aerial survey	M 757

<b>AIR TRANSPORTATION</b>	
Blackbushe airport to Ghana	MM 214

<b>ATOMIC POWER</b>	
General Electric in 1957	A 187
Atomic energy in India	N 237
Germany's nuclear programme	N 264
Tanganyika's mining industry in	
1957	A 298
Atomic energy for peaceful	
purposes	MM 300
Canadian occurrences of colum-	
bite and tantalum minerals	A 352
University of Witwatersrand	MM 385
Developing India's atomic energy	N 500
Pakistan's atomic energy com-	
mission	MM 574
The A-Bomb goes underground	N 595
"Exciting" new uses for lead	N 596
Australia's uranium industry	N 597
Radioactivity within reason	M 606

<b>BOILERS &amp; FURNACES</b>	
Difficulties encountered in smelt-	
ing in the lead blast furnace	R 106
Forced air circulation in fur-	
naces	M 158
General Electric in 1957	A 187
Russia's metallurgical progress	N 236
Packaged steam generators in	
the U.K.	M 415
French iron and steel pilot plant	MM 574
Ferro-silicium furnace, Norway	MM 604

<b>COAL TECHNOLOGY</b>	
Electricity in coal gasification	T 71
Thermal dryers for coal and	
ores	M 158
Soviet experts in the underground	
gasification of coal	MM 328
Feeding hydraulic transport	
system	M 383
Underground gasification	T 384
The Convector process	A 411

Processing chrome	MM 160
Reserves of tin	MM 160
U.S. Tariff's commission	MM 160
Overhaul of U.S. stockpile	
policy	MT 162
Can this be ignorance?	N 180
Chrome in Alaska	MM 188
U.S. rare metals programme	MT 218
Schooling the steelworkers	A 242
Raw materials for Japanese	
industry	N 235
Pilot plant at Indiana Harbour	MM 250
A large deposit of antimony in	
Nevada	MM 250
Minerals research in action	N 263
Boron in chemical fuels	N 265
America's iron ore requirements	A 270
Does the U.S. want to sell more	
copper?	N 292
The fall in coal production	N 321
The AIME Annual Meeting	A 323
The development of columbium	
and tantalum	N 326
The value of aerial surveys	N 349
Drop in U.S. coal exports	N 349
Iron ore mines at Acari	MM 355
The future of potash	N 377
Facts are the best market stabi-	
lizer	N 407
Low grade ores in North Ameri-	
can steel production	A 441
Mine expansion in Nevada	A 471
U.S. uranium procurement	FN 482
West German imports of U.S.	
coal	MM 508
Spanish coal for coke making	MM 508
Making bed worse?	N 531
Uranium's horizons are widen-	
ing	N 563
The A-Bomb goes underground	N 595
Subsidies for U.S. metal pro-	
ducers	MT 638
The I.T.C. stands fast	N 656

## Men, Methods and Machines

Coke from brown coal	MM 447
Research laboratory built in	
U.S.A.	MM 508
Third International Coal Pre-	
paration Congress	A 723

<b>COMPRESSORS</b>	
Methods of hose coupling	M 103
International Course on Pres-	
sure	MM 215
Synchronized air motors	MM 299
Rotary compressors	M 383
Atlas Copco's progress in 1957	MM 476
Metropolitan-Vickers in 1957	A 488
Rapid drilling in rock	A 538
A pressure metering valve	M 636
Design and operation of heavy-	
duty compressed air plant	A 660
Balanced opposed compressors	MM 698
Hungarian compressor plant	MM 755

<b>DIESEL ENGINES</b>	
The Brussels Universal and	
International Exhibition 1958	A 445
Expansion in diesel range	M 697

<b>DREDGING</b>	
The Malayan tin picture	N 376
Productivity in Malayan tin	
mines	A 750

<b>DRILLING</b>	
Diamond drilling around the	
world	M 16
Jet-piercing hard rock	A 42
A small tool on a big job	M 103
Electric coal drills	MM 134
Deep rock drilling	M 158
Diamond drilling with impreg-	
nated bits	A 240
Mineral oils in India	MM 308
Latest development in mining	
equipment	A 384
The Brussels Universal and	
International Exhibition 1958	A 445
Atlas Copco's progress in 1957	MM 476
Maxam pneumatic equipment	
for production	R 486
The Ripple Rock project	A 502
Rapid drilling in rock	A 538
Dustless drilling equipment in	
Czechoslovakia	MM 604
Diamond drilling soft forma-	
tions	M 606
U.S. diamond drilling manufac-	
turers	MM 635
The Euclid-Reichdrill rig	M 637
The development of turbodrills	
in Europe	A 690

<b>EDUCATION &amp; TRAINING</b>	
The language frontier	M 74
Technical inventions	MM 105
Schooling the steel workers	A 242
The training of an engineer	N 719
First Atlas Copco bursary	MM 729
I.O.M.A. Educational Trust	MM 729

<b>ELECTRIC EQUIPMENT</b>	
New batteries for low tem-	
peratures	M 43

Methods of uranium recovery in	
the U.S.	A 693
Processing of beryl ore	MM 695
More shipments on the Great	
Lakes	MM 695
Zinc cuts	MM 695
High volatile coal	MM 728
Copper refinery on the Missis-	
sippi	MM 728
Stiffer standards for safety	
awards	N 748
Mining opencast coal for load-	
ing	A 754
Allowances for gold mining	
companies	MM 755
<b>U.S.S.R.</b>	
Oil and coal mining	MM 18
A large tin mine	MM 72
New iron deposits	MM 72
World's largest coal basin	MM 72
Deposits of non-ferrous metals	MM 105
Siberian power stations	MM 105
Britain's imports from Russia	MM 105
The background of aluminium	A 154
The Kuznetak coal basin	MM 160
Can this be ignorance?	N 180
Russian metal sales	MT 191
Soviet Industrial Economic	
Gazette	MM 214
Russia's metallurgical progress	N 236
Russia's immense resources	A 270
Chilean copper for the U.S.S.R.	MM 272
Prospecting for non-ferrous	
metals	MM 306
Soviet experts in the under-	
ground gasification of coal	MM 328
Siberian plateau diamond	
mining	MM 385
Soviet experimental coal pipe-	
line	MM 446
Iron output in the Soviet Union	MM 446
Trade protocol	MM 447
Non-ferrous metals in the	

The English Electric Co. in 1957	M 159
General Electric in 1957	A 187
A new F.L.P. starter	M 216
Sequence control of mining belt	
and chain conveyors	A 266
The British Thomson-Houston	
Co. in 1957	A 308
Mine car counting switch	M 327
The Seventh Electrical En-	
gineers (A.S.E.E.) Exhibition	A 364
Electrical installation at Baie	
Comet	A 380
The electrical watchdog	M 476
Metropolitan-Vickers in 1957	A 488
Mercury arc converters for mine	
winders	M 506
The Mechanical Handling Exhi-	
bition	M 540, P 573
A new speed indicator	M 573
Chester Major switchboard	MM 634
Britain's contribution to elec-	
trical development	N 720

<b>EXCAVATORS</b>	
Crawling around the world	A 40

<b>EXHIBITIONS, CONFERENCES &amp; CONVENTIONS</b>	
Mining Explosions of the Coal	
Industry	MM 18
Spring Fair in Utrecht	MM 189
British Electrical Power Con-	
vention	MM 189
Third Production Exhibition &	
Conference	MM 189
Montana School of Mines	MM 189
Institute of Quarrying	MM 189
International Wrought Non-	
ferrous Metals Council	N 208
Symposium of Uranium and	
Thorium in Africa	N 209
Symposium on the future of	
Non-Ferrous Mining in Gt.	
Britain	MM 215
Thirty Years of Dust Technique	MM 215
Israel Exhibition	MM 215
International Course on Pres-	
sure	MM 215
British Standards Institute	MM 215
Brussels World Fair	MM 215
Dunsmuir Electrical Engineers	
(A.S.E.E.) Exhibition	A 364
Fluorescent Dustproof Lighting	
at I.C.I. Exhibition	MM 385
First European Fluid Power	
Conference	MM 509
Mechanical Handling Exhi-	
bition, 1958	M 539, P 573
Production Exhibition & Con-	
ference	MM 542, 605
Protection for International In-	
vestment	N 565
Ultra-violet irradiators at Inter-	
national Hospital Equipment	
Exhibition	M 573
Research on Silicosis	A 600
International Investment Con-	
ference, Brazil	MM 635
Symposium on cardio-respira-	
tory diseases	MM 635
Electrical Power Convention	MM 635

<b>U.S.S.R.</b>	
Krasnoyarsk iron ore	MM 475
The contribution of geology to	
the mining industry	A 504
The coal industry of the	
U.S.S.R.	MM 541
Tin in the Soviet economy	N 564
Soviet Union require ore crusher-	
and grinders	MM 634
The I.T.C. stands fast	N 656
Geological research in the	
Soviet Union	N 657
The development of turbodrills	
in Europe	A 690
Fluorspar in the Soviet Union	A 694
A machine of the future?	M 698
Diamond extraction plant	MM 728
Will Russia play ball with I.T.A.?	N 745
<b>VENEZUELA</b>	
Phosphate rock	MM 18
Iron mining in Venezuela	A 295
Conveying around the world	A 350
Manganese deposits in Bolivar	
State	MM 355
Post-war mining developments	
in Latin America	A 724
<b>VIET-NAM</b>	
Coalfield at Nong San	MM 416
<b>WEST AFRICA</b>	
Another West African recovery	MF 275
West African gold production	
for October-December 1957	MR 364
<b>YUGOSLAVIA</b>	
Yugoslavia's Majdanpek pro-	
ject	N 8
The background of aluminium	A 154
Blueprint for mining develop-	
ment in Yugoslavia	A 156
Yugoslav mining and metallurgy	
in 1957	A 595
Coking plants	MM 663

Spotlight on Britain's non-	
ferrous mining prospects	N 687
Air Survey Conference	MM 729
Britain's contribution to elec-	
trical development	N 720
The training of an engineer	N 719
Third International Coal Pre-	
paration Congress	A 723
The Chemical & Petroleum Exhi-	
bition	M 730
Indian Symposium on mineral	
beneficiation	A 756
Commonwealth Chest Con-	
ference	MM 756

<b>EXPLOSIVES</b>	
Explosives in Canadian mining	A 10
Mining Explosions of the coal	
industry	MM 18
Detonating relays for short-	
delay blasting	A 322
Coal mining developments in	
Britain	A 354
Latest developments in mining	
equipment	A 384
The Ripple Rock project	MM 469, A 502
The methane problem on St.	
Helena	A 570
British coal mining explosives	R 616

<b>GEOLOGY &amp; ORE DEPOSITS</b>	
Canada speeds mining research	N 36
World's largest coal basin	MM 72
"Operation Mackenzie"	N 96
Research at the Royal School	
of Mines	A 182
Radioactive occurrences in	
Southern Rhodesia	N 209
Geophysical Journal	MM 252
Lectures on the geological sur-	
vey of Gt. Britain	MM 252
Diamond industry in the Belgian	
Congo	A 267
Witwatersrand University	MM 272
Asia looks to her minerals	N 293
Tanganyika's mining industry in	
1957	A 298
Investigations in the Sudan	MM 300
The development of columbium	
and tantalum	A 325
Uranium in Bahia	MM 385
The mineral deposits of Cuba	A 409
Geological mapping in India	MM 416
Pakistan's mineral potential	N 438
Soviet Academy of Sciences	MM 446
Structural Geology of Canadian	
ore deposits	R 454
Asphalt-bearing rocks potential	
sources of uranium	T 478
The contribution of geology to	
the mining industry	A 504
The North Pole was once in	
Ethiopia	N 565
Mineral resources of the Sahara	A 566
A promising gypsum deposit	A 571
Geological research in the Soviet	
Union	N 657
Elasticity in ground stresses	A 692
Fluorspar in the Soviet Union	A 694
Florida Geological Survey	R 703
Geological map of the world	MM 729



Fifteen field parties .. MM 728	The King's River project, Nevada .. A 132	Canada's zinc resources .. A 751	On the job .. M 665
Southern Rhodesian radioactive occurrences .. A 753	New glandless stop-valve .. M 136	Indian Symposium on ore beneficiation .. A 756	Productivity in Malayan tin mines .. A 750
Nebraska geological survey .. R 764	Range of mining equipment .. M 158		
<b>HEALTH &amp; WELFARE</b>	New lock valve .. M 159	<b>PLASTICS</b>	<b>SAFETY</b>
Slack rope indicator .. M 17	Tram tippler operating gear .. A 187	Plastics for mine lighting .. A 353	Belt protective devices in operating conveyors .. A 296
Safety in shafts .. M 43	General Electric in 1957 .. A 187	New nylon tubing .. M 414	New rescue apparatus .. M 327
The eyes have it .. M 136	Soviet Industrial and Economic Gazette .. MM 214	The Mechanical Handling Exhibition, 1958 .. M 539	Testing the multi-rope winding system .. A 412
A safe mechanical splice .. M 244	Britain's largest dragline bucket .. M 216	<b>POLITICS &amp; ECONOMICS</b>	Safety shield for exposed conductors .. M 415
Ultra-violet irradiators .. M 573	New methods of mining gilsonite .. A 238	Recession, recovery or readjustment? .. N 7	Safety factors in testing the multi-rope winding system .. A 443
Research on silicosis .. A 600	The "Lion" and the loader .. M 244	Technical aid for the Far East .. N 35	Streamlined safety goggles .. M 444
Commonwealth Chest Conference .. MM 756	Diamond industry in the Belgian Congo .. A 268	The U.S. stockpile report .. MF 177	List of flammable gases .. MM 446
<b>LABOUR</b>	Sequence control of mining belt and chain conveying .. A 266	Iron Curtain in British Columbia .. M 291	The electrical watchdog .. M 476
Britain halts pit recruitment .. N 209	Sulphuric acid and the mining industry .. A 294	Bank rate down one per cent .. MF 332	The Mechanical Handling Exhibition, 1958 .. M 540, P 573
Labour and tin control in Malaya .. N 213	Belt protective devices in operating mine conveyors .. A 296	Commonwealth mineral resources plan .. N 375	The methane problem on St. Helena .. A 569
Southern Rhodesia's dwindling small workers .. N 237	Conveyor belts — material and P.V.C. .. M 299	Facts are the best market stabilizer .. N 407	British steel wire rope standards .. MM 574
"Pok Chau" mine operation in Malaya .. A 269	Detonating relays for short delay blasting .. A 322	South Africa after the elections .. M 437	Eleven years on .. N 596
Honeyman and after .. M 119	Shaft sinking in Australia .. M 357	Bolivia .. MM 541	A new respirator .. M 665
West German Miners' Union .. MM 508	Multi-rope winding from deep levels .. A 378	Protection for international investment .. N 565	British standards for rubber cables .. A 602
Prospects for an economic Eurafica .. A 630	Latest developments in mining equipment .. A 384	The substance or the shadow .. N 625	Stiffer standards for safety awards .. M 748
Pay claim rejected .. N 689	Concrete headgear by continuous pouring .. A 411	Will Russia play ball with the ITA? .. N 745	A new flameproof motor .. M 738
<b>LIGHTING</b>	Testing the multi-rope winding system .. A 412	<b>POWER PLANTS</b>	<b>SCIENTIFIC RESEARCH</b>
Underground coal transport .. MM 72	Two new tractor equipments .. M 414	Berkeley nuclear power station .. MM 72	Canada speeds mining research .. N 38
Plastics for mine lighting .. A 353	Bigger and better cylinders .. M 414	Siberian power stations .. MM 105	The alchemists' nightmare comes true .. T 71
Fluorescent dust-proof lamp fittings .. MM 385	A range of hoses .. M 415	The King's River project, Nevada .. A 132	Minerals in the deep freeze .. A 97
High Tower colliery lighting .. M 444	A method of improving filtration practice .. A 472	Power for Australian aluminium .. A 212	Research at the Royal School of Mines .. A 182
<b>LUBRICATION AND ANTI-CORROSION</b>	Cage-raising becomes established .. M 476	Hydro-Electric scheme at Inga .. MM 214	Scientific research in India .. MM 214
High temperature rust prevention .. T 71	Cage-raising practice at N'Kana .. A 501	Germany's nuclear programme .. M 264	Minerals research in action .. N 263
Lead beats corrosion .. T 190	The Mechanical Handling Exhibition, 1958 .. M 539	Diamond industry in the Belgian Congo .. A 268	Applications of automation .. MM 353
Rocks with stainless linings .. M 357	Combination of tools brings cost reduction .. M 572	Ash River project in Vancouver .. MM 386	Radiometric determination of uranium in ores .. T 478
Ultra-fine filtration .. M 383	Yugoslav mining and metallurgy in 1957 .. A 598	Expansion in South Australian steel .. N 439	Applications of polymeric acids .. T 478
The war against rust .. A 537	The Monoveyor underground transport system .. A 628	Power plant station for New South Wales .. N 469	Developing India's atomic energy .. N 500
Bearing "sans" oil .. M 573	Air control system .. M 636	Mine expansion in Nevada .. A 471	The North Pole was once in Ethiopia .. N 565
<b>MECHANICAL HANDLING</b>	Johns-Manville in Centenary year .. A 658	The Kariba project .. MM 475	Mine ore as a grinding medium .. A 599
A new loading shovel .. M 43	N'chang copper mines .. MM 695	Powerhouse of the Copperbelt .. MF 641	Research on silicosis .. A 600
Neiveli strips for action .. A 67	Productivity in Malayan tin mines .. A 750	River Mamakan, U.S.S.R. .. MM 695	Intergranular comminution by heating .. T 633
Spain's mining machinery needs .. A 100	Ripping opencast coal for loading .. A 754	Britain's contribution to electrical development .. N 720	Relation of magnetic susceptibility by composition .. T 633
Britain's largest dragline bucket .. M 216	Side dumping bucket .. M 758	<b>PROSPECTING</b>	Geological research in the Soviet Union .. N 657
Demag's ore unloading facility .. MM 250	<b>MINE COMMUNICATIONS</b>	Bechuanaaland's search for minerals .. N 9	Radiotracer research .. MM 663
Conveying around the world .. A 350	New transmitter-receiver .. M 637	Prospecting and mining in Uganda .. N 37	<b>SHAFT SINKING</b>
Vickers' Vigor tractor .. MM 385	"Thompson Post Office" .. MM 755	Search in the Matra Mountains .. MM 105	German industrialists in South Africa .. MM 328
Cable drum winder .. M 414	<b>ORE TREATMENT</b>	Deep level chrome in Rhodesia .. N 181	Shaft sinking in Australia .. M 357
Head for prop repair .. M 415	Aerofall mill at Mangula Mines, Southern Rhodesia .. A 39	Exploration in Canada .. N 186	<b>TAXATION &amp; TARIFFS</b>
Safety factors in testing the multi-rope winding system .. A 443	Algom's new uranium mines at Blind River .. A 68	Geological survey of Hungary .. MM 188	B.O.M.A. writes a letter .. FN 21
A double reduction unit .. M 444	The European market for pyritic sulphur .. A 130	Radioactive occurrences in Southern Rhodesia .. N 209	Chile's plight .. A 66
Steel wire rope .. MM 446	A range of crushing rolls .. M 158	Prospecting in Brazil .. MM 214	O.F.S. companies' tax position .. MF 77
Large buckets for Michigan tractors .. M 506	Research at the Royal School of Mines .. A 182	R.S.V.P. .. N 293	U.S. Tariff's commission .. MM 160
Materials handling .. MM 509	Diamond industry in the Belgian Congo .. A 267	Tanganyika's mining industry in 1957 .. A 298	Low ebb of Australian tin .. N 209
U.K. equipment for tractors .. M 606	America's iron ore requirements .. A 270	Sensitive geiger counter for rough work .. M 299	Iron Curtain in British Columbia .. N 291
Portability in mining .. M 637	Sulphuric acid and the mining industry .. A 294	Prospecting for non-ferrous metals .. MM 300	South Africa after the elections .. N 438
Air spring screens .. M 637	AIIME Annual Meeting, 1958 .. A 323	Canadian Geological survey programmes .. N 348	Royalties on Westralian minerals .. N 466
High-tensile steel chain .. MM 663	Conveying around the world .. A 350	Australia's search for tin ore .. N 498	Tariffs quoted on subsidies .. MT 510
New cable reel jack .. M 757	Canadian occurrences of columbium and tantalum minerals .. A 352	Pakistan's mineral potential .. N 438	The taxation factor .. MF 512
Materials handling system .. M 757	Use of spiral concentrator .. T 384	Mining claims .. FN 482	Making bad worse? .. M 531
<b>METALLURGY</b>	New developments in gold reduction .. A 440	The contribution of geology to the mining industry .. A 504	Ghana's gold subsidy bears fruit .. MF 640
High temperature rust prevention .. T 71	Heavy media and the Driessen Cone .. T 445	Research permit at Trebes .. MM 508	Help for Australian copper producers .. N 637
Zinc-plating process .. T 71	Separation of fine solids .. T 445	Prospecting in Gatooma .. MM 508	U.S. allowances for gold mining companies .. MM 755
Metallic borides in the U.K. .. M 104	A method of improving filtration practice .. A 472	Geophysical survey in British Columbia .. MM 508	<b>TIMBER</b>
Tungsten sponge as additive for special steels .. M 104	Finland .. MM 475	Penang survey .. MM 508	Protection of timber .. T 190
World's largest copper-melting electric furnace .. MM 134	Low discharge pebble mills .. MM 475	Mineral wealth of the Dominican Republic .. A 534	The enemies of timber .. R 551
Microbes treat ores and coal .. T 190	Agglomerating techniques .. T 478	Prospecting at Glenties, Donegal .. MM 541	<b>TRADE &amp; STATISTICS</b>
New nickel-electro-refining process .. M 293	Treating low-grade copper .. T 478	Mineral resources of the Sahara .. A 566	Spain's mining machinery needs .. A 100
Know your steel .. M 299	Regulating Viscosity .. T 478	Pakistan atomic energy commission .. MM 574	Canadian shopping list .. A 135
The AIIME annual meeting, 1958 .. A 323	Automation in the mineral industries .. M 507	Radioactivity within reason .. M 606	Malayan diary .. A 153, A 189
Laminated spring-deck suspension .. M 357	Density measuring device .. M 507	Minerals research in Turkey .. N 627	Sino-Japanese barter contract .. N 264
Sintered metal in earth-moving equipment .. A 411	Some experiments in gravity concentration .. A 535	Prospects for an economic Eurafica .. A 630	U.K. mining manufacturers .. N 293
Low grade ores in North American steel production .. M 442	Mine ore as a grinding medium .. T 633	Sino-Soviet scientific expeditions .. MM 634	R.S.V.P. .. N 293
An electro-magnetic extractor .. M 444	Up-grading cobalt-nickel stockpiles .. T 633	Prospecting at Consolidated Halliwell, Haiti .. MM 634	In search of dollar orders .. N 499
Krupp-Renn process .. MM 446	Africa Union requires ore crushers and grinders .. MM 634	Mining laws of French West Africa .. MM 695	Mining equipment in the U.K. .. MM 541
Developments in handling fume .. A 472	World's largest copper ore deposit .. A 662	Mattagami Syndicate .. MM 695	Protection for international investment .. N 565
Changing techniques in steel production .. N 533	Processing cassiterite .. MM 663	Australia's expanding steel industry .. N 689	1958 Mining Year-Book .. MF 610
"Exciting" new uses for lead .. N 596	Iron Knob plant .. MM 663	<b>PUMPING &amp; DRAINAGE</b>	<b>TRANSPORTATION &amp; HOISTING</b>
Yugoslav mining and metallurgy in 1957 .. A 598	Heavy duty blade mill for West Africa .. M 665	Pumping mine liquids .. M 16	8,000-tons-an-hour project in Liberia .. A 14
Pilot plant for agglomerating minerals .. M 697	Methods of uranium recovery in U.S.A. .. A 693	Archimedes greets the atomic age .. M 136	An electrogyro locomotive .. M 16
Indian Symposium on Mineral Beneficiation .. A 756	Tandem crushing and screening .. M 697	The puddle pump .. M 244	TR-260 dumpers .. M 74
PTFE hydraulic hoses .. M 758		New range of pumps .. M 357	Ore defreezing plant .. MM 134
<b>MINING &amp; EXTRACTION</b>		The Malayan tin picture .. N 376	Hoisting by chain .. M 159
Explosives in Canadian mining .. A 10		Velocities and pipe friction losses .. T 478	Raw materials for Japanese industry .. N 235
A new gate end box .. M 17		A range of diaphragm pumps .. M 373	Aluminium dump truck .. M 244
Crawling around the world .. A 40		Pumping coal across country .. M 665	Sequence control of mining belt and chain conveyors .. A 266
Algom's new uranium mines at Blind River .. A 68		A range of pumps .. M 357	Mobile mud tanks .. M 414
Winding in two hemispheres .. M 74			A new coal hauler .. M 477
Five years of mining in Malaya .. A 98			Application of side dump buckets .. M 477
British coal developments .. A 101			Metropolitan-Vickers in 1957 .. A 488
An hydraulic prop .. M 103			A bunker conveyor .. M 506
A new loading shovel .. M 104			New dumper body .. M 507
Automatic part feeding .. M 104			First load of ore from Chingola .. MM 508
Predicting underground rock falls .. M 104			Argentina, a coal shipping port .. MM 509
Recording penetration .. M 104			
Metalliferous mine surveying .. R 106			

Carrier of latest design. . . . .	MM 574	transport system . . . . .	A 628	VENTILATION	Cage-raising practice at N'Kana	A 501
The Mechanical Handling Ex-		Prospects for an economic		AND AIR CONDITIONING	The methane problem at St.	
hibition, 1958 . . . . .	M 539	Eurafrica . . . . .	A 630		Helena . . . . .	A 569
Scottish "Lurgi" plant fed by		Wire-rope fittings . . . . .	MM 663	Tubular air crossing . . . . .	Literature on Fans . . . . .	M 573
conveyor belt. . . . .	M 572	Great Lakes area freight car		Cage-raising becomes estab-	A new respirator . . . . .	M 665
The Monoveyor underground		loadings . . . . .	MM 755	lished . . . . .		

## Companies and other Public Bodies

For Rand and O.F.S. monthly gold mine returns, see MR 50, 166, 333, 424, 579, 702. For quarterly figures see Supplements with our issues of January 31st and May 2nd. Other quarterly gold outputs see MR 677.

Abbeystown Mining Co. . . . .	N 180	Australian Iron and Steel . . . . .	N 688	Cable Belt . . . . .	M 540	Daggafontein Mines . . . . .	Sups. Jan 31 &
Abelson & Co. . . . .	M 507	Australian & New Zealand Bank	A 131	Calera Mining Co. . . . .	T 190	May 2, ME 453, MF 545, MM 729	
Aberfoyle Tin . . . . .	N 209, MM 214, N 321	Ayrton & Partners . . . . .	MM 509	Calumet & Hecla Copper Co. . . . .	MM 508	Dead Sea Potash Works . . . . .	MM 574, N 749
African Explosives & Chemical				Camborne School of Mines . . . . .	MM 447	De Beers Consolidated Mines . . . . .	MF 49, MM 355, DR 578, MF 577, MM 695, MF 701, MM 729
Industries . . . . .	MM 508			Cam & Motor Gold Mining Co. . . . .	MM 213	De Beers Industrial Corporation . . . . .	MM 696
African Investment Trust . . . . .	FN 224, 643			Camp Bird . . . . .	MM 144, 160, FN 167, MM 386, MM 509, FN 643	Denver Mining & Equipment	
African Metals Corporation . . . . .	MM 663			Canadian British Aluminium Co. . . . .		Co. . . . .	MM 634
Airtuch Ltd. . . . .	M 103			Can-Erin Mines of Toronto . . . . .	N 36, A 184, 380	Diamond Trading Company . . . . .	MM 634
Alax Precision Manufacturing				Canadian Exploration Co. . . . .	A 350, 751	Dillon Read & Co. . . . .	MF 668
Co. . . . .	MM 447			Cape Asbestos . . . . .	FN 582	Distinction Engineers Co. . . . .	MM 475
Alkims Concessions . . . . .	FN 304			Cape Breton Metals . . . . .	A 751	Dohm Group . . . . .	MM 18
Alamasi . . . . .	A 297			Cassair Asbestos Corporation . . . . .	FN 167	Dollery & Palmer . . . . .	MM 729
Alcoa Exploration . . . . .	M 244, 534			Caterpillar Tractor Co. . . . .	MM 161	Dominion Gulf Co. . . . .	A 352
Algom Uranium Mines . . . . .	A 68, MF 194			Cawood Wharton & Co. . . . .	M 477, MM 635, 729, A 754	Dominion Reefs (Klerksdorp) . . . . .	FN 111, MM 215, 272
Allen (Edgar) & Co. . . . .	MM 44			Celucel . . . . .	MM 190	Dominion Steel & Coal Cor-	
Allis Chalmers Manufacturing				Cementation Co. . . . .	FN 111, 194	poration . . . . .	MM 755
Co. . . . .	M 74, 414, 637, 697			Central Kedah Mining Co. . . . .	MM 508	Doornfontein . . . . .	Sups. Jan. 31 & May 2
Aluminium Co. of America . . . . .	N 36, 128, 184, 351			Central Mining & Investment		Dow Chemical Co. . . . .	FN 113, A 693
Aluminium Company of Canada				Corporation . . . . .	Sups. Jan. 31 & May 2	Dowty Mining Equipment . . . . .	M 158, 415, MM 574, 664, 696
A 184, MF 362				Central Mining Free State Areas	FN 111	Duisburger Kupferhuetten . . . . .	MM 385
Aluminium Development Asso-				Central Provinces Manganese	FN 140, MF 733, ME 737	Du Pont Co. . . . .	MM 50
ciation . . . . .	MM 475			Chamberlain Industries . . . . .	MM 329, MM 635	Dunlop Rubber Co. . . . .	M 540
Aluminium Ltd. . . . .	MM 105			Chamber of Mines of Rhodesia	MM 635	Durban Roodepoort Deep . . . . .	Sups. Jan. 31 & May 2, ME 613
Amalgamated Banket Areas . . . . .	MF 546, ME 645			Chartered Bank . . . . .	ME 305, MM 635		
Amalgamated Collieries of South				Chemical Construction Co. . . . .	T 190, A 294, A 662		
Africa . . . . .	FN 451, ME 453			Chile Exploration Co. . . . .	A 662		
Amalgamated Tin Mines of				Chile's Mine Credit and Develop-	MM 250	Eagle-Picher Co. . . . .	MM 188
Nigeria . . . . .	FN 111			ment Organization . . . . .	MM 250	East Champ d'Or Gold Mining	
American Gilsonite Co. . . . .	A 238			Chibuluma Mines . . . . .	MF 193	Co. . . . .	Sups. Jan. 31 & May 2, DR 483
American Institute of Chemical				Chloride Batteries . . . . .	M 43, MM 509	East Daggafontein Mines . . . . .	Sups. Jan. 31 & May 2, ME 453
Engineers . . . . .	N 265, A 233			Choco Pacifico . . . . .	N 377	East Gaidid Mines . . . . .	Sups. Jan. 31 & May 2
American Institute of Mining				Chrome Exploitation Co. . . . .	MM 416	East Rand Consolidated . . . . .	FN 703
and Metallurgical Engineers	R 104, A 270, N 349, MM 446			City Deep . . . . .	Sups. Jan. 31 & May 2	East Rand Proprietary . . . . .	Sups. Jan. 31 & May 2, MF 609, ME 611, MM 729
American Iron Ore Association				Clark Equipment International	MM 252	Eastern Mining & Metals Co. . . . .	MM 160, N 468
A 270, MM 695				Climax Molybdenum Co. . . . .	MM 45, 475	Eastern Transvaal Consolidated	
American Metal Climax . . . . .	MF 389			Climax Rock Drill & Engineer-		Mines . . . . .	Sups. Jan. 31 & May 2
MM 541				ing Works . . . . .	MM 272, 664	Economic Commission for Asia	
American Metal Co. . . . .	MM 45, A 725			Clutha River Gold Dredging . . . . .	MM 664	and Far East . . . . .	N 35
American Overseas Finance Co. . . . .	MM 355			Cohen (George) Sons & Co. . . . .	MM 475	Eldorado Mining & Refining	
American Potash & Chemical				Cohen (Leonor) . . . . .	MM 188	Co. . . . .	MF 194, A 323, N 563
Corporation . . . . .	MM 272			Coldstream Copper Mines . . . . .	MM 188	Electrolytic Zinc Co. . . . .	N 321
American Smelting & Refining				Colloidal Graphite . . . . .	MM 755	Electro-Metallurgical Co. . . . .	A 325
Co. . . . .	MM 134, 272, 417, 604, 634			Colonial Development Corpora-		Ellatton Gold Mining Co. . . . .	Sups. Jan. 31 & May 2
American Society for Metals . . . . .	MM 696			tion . . . . .	A 298		
American South African Invest-				Commodity Exchange Inc. . . . .	MM 541		
ment Trust . . . . .	MF 668			Commonwealth Development			
American Zinc-Lead & Smelting				Commonwealth Economic	MM 696		
Co. . . . .	MM 214, 696, N 677			Committee . . . . .	N 375		
American Zinc Institute . . . . .	MM 252			Commonwealth Mining &			
Anascondia Co. . . . .	A 66, 184, N 292, MM 542, A 66			Metallurgical Congress . . . . .	A 10		
Andes Copper Co. . . . .	MM 508			Consolidated African Selection			
Angle Ore & Transport Co. . . . .	MM 728			Trust . . . . .	MF 78		
Anglo American Corporation of				Consolidated Copper Mine			
South Africa . . . . .	MM 18, 135, MF 735, ME 735			Co. . . . .	MM 44, 188		
Anglo American Investment				Consolidated Diamond Mines			
Trust A . . . . .	MF 579			of South West Africa . . . . .	A 210, M 327		
Anglo American Prospecting				Consolidated Halliwell Mining			
Co. (Africa) . . . . .	A 298			Co. of Canada . . . . .	MM 634		
Anglo French Exploration Co. . . . .	FN 276, MF 304, 421, ME 423			Consolidated Main Reef Mines			
Anglo-Rouyn Mines . . . . .	A 186			& Estates . . . . .	Sups. Jan. 31 & May 2		
Anglo-Transvaal Collieries . . . . .	MM 604			Consolidated Mines Selection			
Anglo Transvaal Consolidated				Co. . . . .	MF 221, 275, ME 277		
Investment Co. . . . .	Sups. Jan. 31 and May 2, MM 252, FN 362			Comolimited Mining & Smelt-			
Apayao Consolidated Mining				ing Co. . . . .	A 722, MM 755		
Corporation . . . . .	MM 134			Consolidated Murchison (Trans-			
Apex Trinidad Oilfields . . . . .	FN 50, MF 275, 303, 389, ME 393, MM 416			vaal) Goldfields and Develop-			
Ariston Gold Mines . . . . .	MM 252, 635			ment Co. . . . .	MF 517, ME 517		
Armour & Co. . . . .	MM 252, 635			Consolidated Pneumatic Tool Co.			
Ashanti Goldfields Corporation	MF 109, CN 114, MF 165, 303, 420, ME 422, MF 669			Co. . . . .	M 103, MM 135, M 357, M 383, A 538, M 698, MM 729, M 757		
Assam Oil Co. . . . .	MM 508			Consolidated Sudbury Basin			
Associated Chemical Companies				Mines . . . . .	N 752		
Associated Drilling & Supply				Consolidate Tin Smelters . . . . .	MM 189		
Co. . . . .	MM 417			Consolidated Zinc Corporation	FN 151		
Associated Electrical Industries	MM 72			& Estates . . . . .	MF 193, 668, ME 676		
Associated Lead . . . . .	A 537			Copper and Brass Research			
Associated Manganese Mines of				Association . . . . .	N 63		
South Africa . . . . .	FN 582			Copper Development Associa-			
A/S Sydvaranger . . . . .	A 571			tion . . . . .	MM 214		
A/S Titanit . . . . .	A 571			Cordoba Mines . . . . .	MF 248		
Atlas Consolidated Mining &				Cornish Institute of Engineers	MM 134, 272, 417, A 535		
Development Corporation . . . . .	N 65, MM 214			Cornish Mining Development			
Atlas Copco A 14, MM 161, 215, M 244, 358, MM 417, A 445, M 476, A 502, MM 729				Association . . . . .	N 687		
Atomic Energy Research Estab-				Coronation Syndicate . . . . .	MF 21		
lishment . . . . .	MM 134, FN 482			Corrosion Proof Products . . . . .	T 71		
Australian Agency . . . . .	MM 43			Cowchan Copper . . . . .	MM 134		
Australasian Institute of Mining				Craft Engineers (Holdings) . . . . .	MM 475		
and Metallurgy . . . . .	MM 189			Crompton Parkinson . . . . .	MM 101, M 573, MM 635		
Australasian Oil Exploration . . . . .	M 597			Crouch (Derek) Contractors . . . . .	M 216		
				Crown Mines . . . . .	Sups. Jan. 31 & May 2, ME 612, MM 729		



- Free State Saaiplaas Gold Mining Co. M 74, Sups. Jan. 31 & May 2, MF 361, 450  
Frontino Gold Mines N 377
- G**  
Gambia Minerals A 602  
Gardner-Denver M 358  
Gauge & Tool Makers Association MM 605  
Geco Mines A 751  
Geduld Proprietary Mines Sups. Jan. 31 & May 2, MF 390  
Geevor Tin Mines A 535  
Geita Gold Mining Co. A 297, MF 670  
General Electric Co. A 187, M 665, MM 756  
General Mining & Finance Co. Sups. Jan. 31 & May 2, MF 450, 670  
Geophysical Prospecting Co. MM 45  
Geomines Company A 325  
Gewerkshaft Brunhilde N 264  
Ghana Main Reef MF 303, 389, ME 393  
Glacier Mining M 573  
Golden Horse Shoe FN 390  
Gold Exploration & Finance Co. of Australia FN 224  
Gold Fields Australian Development Co. FN 276  
Goldfields Rhodesian Development Co. ME 645  
Gold Mines of Kalgoorlie FN 672  
Goodyear Tyre & Rubber Co. M 136, 515, 539, 636, MF 668  
Gopeng Consolidated ME 672  
Government Gold Mining Areas Sups. Jan. 31 & May 2, N 207, MF 361, 481, ME 483  
Great Western Ores MM 161  
Great Whale Iron Mines MM 160  
Grindlay's Bank MF 304, ME 307  
Grootvlei Prop. Mines Sups. Jan. 31 & May 2
- H**  
Hadfields M 158, MM 509, 574  
Halifax Tool Co. M 158  
Halkyn District United Mines FN 390  
Hanna (M.A.) & Co. MF 670  
Hanomag Co. MM 329  
Harmony Gold Mining Co. MF 110, MM 135, Sups. Jan. 31 & Feb. 2, MF 332, 390, 545, 577  
Hartebeestfontein Gold Mining Co. Sups. Jan. 31 & May 2, MF 275  
Harvey (C.A.) & Co. MM 272, 664  
Hassmer Crane & Engineering MM 635  
Hawkeswood Mining Co. A 537  
Hendersons Transvaal Estates MF 545, 610, 733  
High Volatile Coals Export Association Inc. MM 728  
Hill-Barnes (Pumps) M 357  
H.M. Stationery Office R 703  
Hollinger Consolidated Gold Mines N 208  
Holman Bros. M 414, 636, 637, MM 664  
Homestake Mining Co. A 323  
Hongkong Tin MF 517  
Honours' List FN 52  
Hopkins Mining Consultants MM 272  
Howe Sound Mining Co. MM 475  
Hudson (Robert) MM 475  
Hudson Bay Mining & Smelting Co. A 751  
Hudswell Clarke & Co. MM 664  
Humphreys & Glasgow MM 572  
Hunslet Engineering Co. MM 664  
Hunting Geophysics N 209  
Hunting Group MM 161, 574, 729  
Hunting Heberlein MM 475  
Hymatic Engineering Co. MM 477
- I**  
Idris Hydraulic Tin FN 734  
Igranic Electric Co. MM 329, P 573  
Imperial Chemical Industries MM 18, 45, 161, A 322, 352, MM 385, 475  
Imperial Smelting Corporation MM 105, 189, MF 668  
Indian Rare Earths (Pte) N 626  
Industrial Chemicals FN 532  
Industrial Diamonds (S.A.) A 210  
Industrial Nucleonics Corporation M 507  
Industrial Welfare Society MM 635  
Ingessoll Rand Co. M 358, A 502  
Inland Steel Co. MM 250  
Institution of Mechanical Engineers MM 447, 696  
Institute of Metals MM 329, 475  
Institution of Mining Engineers MM 44, 161, 509, 542, 605, 696  
Institution of Mining & Metallurgy MM 45, T 106, MM 189, M 358, T 445, A 542, A 603, N 687, A 750  
International Harvester Co. of G.B. M 477  
International Nickel Co. of Canada A 10, MM 18, P 85, MM 161, A 241, N 293, MF 332, 482, 512, ME 514, MM 696, 755  
International Organization for Standardisation MM 542  
International Tin Research Council N 127, 655, 745  
International Wrought Non-ferrous Metals Council N 208  
Iowa Manufacturing Co. MM 697
- ISCOR — South African Iron & Steel Corporation** MM 105  
Ivex Corporation MM 755
- J**  
Jacobs (E.M.) & Co. MM 161, 447  
Jantar Nigeria MF 21, 49, 140, ME 140, A 325  
Joberg, Ltd. M 357  
Johannesburg Consolidated Investment Co. Sups. Jan. 31 & May 2, A 210, MF 361, MM 729  
Johns-Manville Corporation A 658  
Johnson (C.H.) Machinery M 540  
Jones (E.H.) Machine Tools MM 475  
Jones & Laughlin Steel Corporation MM 385  
Jos Tin Area ME 84  
Joy-Sullivan MM 447
- K**  
Kaduna Prospectors FN 676, ME 764  
Kaduna Syndicate FN 676, ME 764  
Kaiser Aluminium & Chemical Corporation N 36, A 184  
Kampong Kamunting Tin Dredging FN 167  
Kamunting Tin Dredging MF 512  
Katanga Company FN 224  
Kennecott Copper Co. MM 44, 214, 300, 341, A 471, MM 542, 605, MF 668  
Kenton Gold Areas FN 224, MF 670  
Kent (George) MM 189, 300  
Klembe Mines MM 634  
Killinghall Tin MF 517  
King Island Scheelite N.L. MM 105  
Kinta Kellas Tin Dredging MF 517, MM 729  
Kinta Tin Mines FN 134  
Knapp & Bates MM 232  
Kolar Gold Fields N 180, A 240  
Konongo Gold Mines MF 248, 275, ME 392  
Krupps MM 416
- L**  
Lake George Mining Corporation MF 49, N 321, FN 676  
La Luz Mines MM 755  
Lang-Lenden MM 329  
Larut Tin Fields FN 672  
Lead Industries Association T 71, MM 355, 509, N 596  
Le Grand, Sutcliffe & Gell MM 329  
Lepanto Consolidated Mining Co. MM 214  
Levertown (H.) & Co. MM 329  
Libanon Gold Sups. Jan. 31 & May 2  
Liberian Mining Co. A 14  
Liquid Systems M 216  
Loloma Gold Mines FN 78, MM 105  
Londex M 732  
London Chamber of Commerce, 542, 574  
London & Rhodesian Mining & Land Co. FN 167, 194, 224, 643  
London Tin Corporation MM 328, MF 761, ME 763  
Longyear (E.J.) & Co. MM 447  
Lorraine Gold Mine MF 48, ME 82  
Loraine Sups. Jan. 31 & May 2, MF 761  
Lowland Lead Mines MM 574  
Luipaard's Vlei Estate & Gold Mining Co. Sups. Jan. 31 & May 2  
Lydenburg Estates MF 451  
Lydenburg Platinum MF 276, ME 277
- M**  
Macalder Nyanza Mine MM 634  
McIntyre Porcupine Mines MM 252, 695  
McIntyre Research Foundation A 600  
Mackay Industrial Equipment M 606, MM 635  
McPhar Geophysics M 17  
Magnetic Equipment Co. M 104  
Malayan Employers' Association MM 696  
Malayan Tin Bureau of Washington MM 189  
Mann (J.) & Co. MM 386  
Marshall Sons & Co. M 415  
Marievale Consolidated Mines Sups. Jan. 31 & May 2  
Mary Kathleen Uranium MM 72, MF 270, MM 328, N 349, N 597, FN 676  
Maschinen Monninghoff M 730  
Mashaba Rhodesian Asbestos Co. MM 215  
Mason & Barry FN 304, 734  
Matheson Bros. M 104, MM 309  
Mathias Stinnes A.G. MM 446  
Mavor & Coulson M 540  
Mawchi Mines FN 113, 224  
Mbeya Exploration Co. A 298, 325  
Mechanical Handling Exhibition MM 184  
Meco-More M 103  
Megator Pumps & Compressors MM 215, M 244, MM 447  
Merriepriet (O.F.S.) Gold Mining Co. Sups. Jan. 31 & May 2, ME 549  
Merton Engineering Co. M 540, MM 635
- Messina (Rhodesia) Development Co.** FN 610  
Messina (Transvaal) Development Co. A 39, MF 247, 332, 334  
M.T.D. (Mangula) MF 221, 305, FN 451  
Metals Reserve Co. A 325  
Metals & Residues Inc. T 104  
Metropolitan Vickers Co. M 74, MM 135, 300, 417, 475, M 539, 756  
Meynell & Sons M 136  
Miami Copper Co. MM 300  
Michigan (G.B.) M 507  
Middle Witwatersrand MF 669, ME 670  
Midland Bank MM 45, 574  
Mining Corporation of Bolivia MM 72, 386, 541  
Mining Credit Bank MM 416  
Minerals Separation MF 672  
Mine Safety Appliances Co. MM 215, 447, M 665, MM 736  
Mining Publications T 106  
Mining & Metallurgical Society of America MM 18  
Mirreles Bickerton & Day MM 663  
Mitsui Mining Co. MM 509  
Mobil Oil Co. MM 509  
Modderfontein B Gold Mines MM 189, MF 609, FN 672  
Modderfontein East Sups. Jan. 31 & May 2, MM 161  
Mogul Mining Corporation N 180, MF 469, MM 634  
Molybdenum Corporation of America A 352  
Mond Nickel Co. MM 105, 756  
Montana School of Mines MM 475  
Morris (Herbert) M 159  
Monte Amiata N 748  
Mount Real MF 730  
Mount Charlotte (Kalgoorlie) Gold Mines FN 276, 610  
Mount Isa Mines MM 134, N 320, MF 610, N 657  
Mount Lyell Mining & Railway Co. N 321, 657  
Mount Morgan MM 165  
Moyne (Le) Ungava Mines N 321, 657  
Mufulira Copper Mines MF 193, MM 272, A 411, MF 545  
Multi-Minerals A 352  
Murex A 324
- N**  
Naraguta Extended Areas FN 276  
National Coal Board M 16, 43, T 104, MM 105, N 129, M 159, N 209, MM 215, M 299, MM 328, 383, 414, 415, MM 417, M 444, 777, 506, N 533, MM 541, M 572, MM 729, 755  
National Lead Co. MM 134  
National Mining Corporation MF 702, FN 734  
National Overseas & Grindlays Bank MM 417  
National Salt Corporation MM 44  
National Zinc Co. MM 272  
Nchanga Consolidated Copper Mines MM 105, 695  
Negve Ceramic Materials MM 18  
Nigel Lignite Corporation A 67  
Neldco Processes M 158  
Nelson (W. & H.) M 216  
New Broken Hill Consolidated New Central Witwatersrand ME 676  
New Consolidated Gold Fields of S. Africa Sups. Jan. 31 & May 2, A 298, MF 361  
New Jagersfontein Mining & Exploration Co. MM 44  
New Jersey Zinc Co. MM 728  
New Kleinfontein Co. FN 734  
New Modderfontein Gold Mining Co. FN 111  
New Pioneer Central Mining ME 85, MF 762  
New State Areas MF 361  
Nickel Rim Mines MM 635  
Nigel Batteries M 357, MM 417  
Nigel Finance & Investment MM 605  
Nigel Gold Mining Co. FN 672  
Nigel Van Ryn FN 276  
Nipissing Mines Co. MM 328  
Nkana Copper Refinery N 209, A 501  
Noranda Mines N 63, 208, MM 695  
Normet Mining Co. FN 248  
North American Aviation Inc. N 596  
North British Rubber Co. M 540  
North Broken Hill MM 161  
North Charterland Exploration Co. N 408  
North of England Institute of Mining and Mechanical Engineers MM 189, 417  
North Gaspe Mines MM 250  
North Kalguri (1912) MF 140  
Northern Transvaal Messina Copper Exploration MM 663  
North Western Fuel Luncheon Club MM 509  
Northwind Explorations MM 250  
Nuffield Foundation A 182  
Nu-Swift MM 135
- O**  
Ocala Lime Rock Corporation M 572  
Oceanic Iron Ore Co. MM 358, 541  
Oldham & Son MM 755  
Olding (Jack) & Co. MM 215, 664  
Ontario Department of Mines MM 417  
O'Kiep Copper Co. MM 160  
Opemika Copper MM 695  
Orange Free State Investment Trust MF 110, MM 161, DR 578, MF 577  
Otavi Mining Co. A 210  
Overseas Mining & Engineering Equipment MM 161
- P**  
Pacific Island Mines MF 165  
Pahang Consolidated MM 18  
Pakistan Chrome Mines N 532  
Pakistan Industries N 532  
Palmer Aero Products M 758  
Panorama Equipment M 357, 444  
Paringa Mining & Exploration MM 542  
Pato Consolidated Gold Dredging MM 377  
Pattani Tin FN 390, 643  
Pegson MM 635  
Peko Mines N 321, 657  
Pengkalan FN 390, ME 672  
Perkins (F.) MM 250  
Petaling Tin MF 248, ME 278  
Peterborough Diesel Engine Co. MM 417  
Phelps-Dodge Corporation N 65  
Philex Mining Corporation MM 300  
Phillips Bros. Ore Corporation MM 189  
Phosphate Development Corporation MM 72  
Photographic Survey Corporation M 757  
Pima Mining Co. T 478  
Pine Point Mines A 751  
Pittsburgh Consolidated Coal Co. M 636  
Plessey Company MM 665  
Potash Company of America MM 72  
Potgietersrus Platinum ME 169  
Precision Chains MM 475  
Premier Consolidated Oilfields FN 734  
Premier (Transvaal) Diamond Mining Co. A 350  
President Brand Co. MF 48, ME 79, MF 304, 512  
Sups. Jan. 31 & May 2  
President Steyn MF 48, ME 80, Sups. Jan. 31 & May 2, MF 165, 304, 512  
Professional Engineers Appointment Bureau MM 189  
Pulcombert Engineering Co. M 16  
Pyrene Co. MM 189
- Q**  
Quebec Copper Corporation MM 508  
Quebec Metallurgical Industries A 352  
Quin Press R 674
- R**  
Radiation Monitors M 606  
Randfontein Estates Gold Mining Co. Sups. Jan. 31 & May 2, MF 361, 481, DR 484  
Rand Leases (Vogelstruisfontein) Sups. Jan. 31 & May 2, N 347  
Rand Mines MM 18, 214, ME 167  
Rand Selection Corporation MM 611  
Ransomes & Rapier MF 220, ME 222  
Rapid Magnetic Machines M 540  
Rapid Magnetic Machines MM 444, MM 508  
Ravenshoe Tin Dredging N 209  
Ravenshorpe Copper Mines N 321  
Reading Metals Refining Corporation MM 728  
Renison Associated Tin N 209  
Research and Control Instruments MM 309  
Revol MM 328  
Reynolds Metal Co. N 36, A 184  
Rhoango Mine Services M 358  
Rhodesian Alloy MM 635  
Rhodesian Anglo American MM 161, MF 247, 276, 332  
Rhodesia Broken Hill Development MF 332, 481, DR 518  
Rhodesia Katanga ME 550  
Rhodesian Selection Trust MM 611  
Rhodesia N 63, 214, 272, 300, 508, MF 545, FN 610  
Rhoskana Corporation FN 276  
Riebeck Gold Mining Co. MF 77, Sups. Jan. 31 & May 2, MF 610, 640, 761  
Rietfontein Consolidated Mines Sups. Jan. 31 & May 2  
Ribbon Valley Tinfields FN 50  
Rio Canadian Exploration A 186, MM 508  
Rio Tinto MM 44, FN 113, A 186, MM 189, 385, 417, MF 420, 517, 547, 545, N 564, 597  
Roan Antelope Copper Mines MF 193, 545, MM 272  
Roberts Construction Co. MM 272, A 411  
Robinson Deep Sups. Jan. 31 & May 2  
Rocon MM 309, 605  
Rogers (Henry) (London) MM 329

Rolls-Royce .....	A 445	Sparwater Gold Mining Co.	Sups. Jan. 31 & May 2, MF 450	Turner & Newall FN 113, MM 135, 161	Vogelstruisbult Gold Mining Areas	Sups. Jan 31 & May 2
Rörs Kobberværk .....	MM 634	Specialoid .....	MM 699	Twefontein Colliery .....	W	
Roscrow United Mines .....	MM 582	Sprague & Henwood Inc. .....	MM 634	U	Wagner Bros. ....	T 71
Rose Deep Sup. Jan. 31, & May 2 FN 582		Springs Mines .....	Sups. Jan. 31 & May 2, ME 452	Uddeholms A.B. ....	Wah Chang Corporation .....	N 180
Royal School of Mines .....	A 182	Stanrock Uranium Mines .....	FN 224	Ultramar Co. ....	Wankie Colliery Co. ....	FN 167, MM 188,
Royal Society of Arts MM 45, 252, 417		Stardrill-Keystone Co. ....	MM 509	Uluguru Mica Mining Co. ....	Waterfall (Rustenburg) Platinum	ME 169
Royce Electric Furnaces .....	M 158	Steel Engineering Co. ....	MM 215	Umiati Exploration .....	Waverley Gold Mines .....	FN 111
Rubber Improvement M 539, MM 729		Steel Structures .....	MM 729	Underground Machinery Manufacturers	Weatherill .....	MM 43
Ruston Bucyrus .....	MM 542	Steeple Rock Iron Mines .....	MM 355	Union Carbide Co. ....	Weir (Paul) Co. ....	MM 416
Ruston & Hornaby MM 215, 417, M 707		Stentford & Co. (W. H.) .....	MM 239	Union Carbide Co. ....	Welgedacht Exploration Co. ....	FN 276
Rustenberg Platinum Mines .....	MF 109	Stewarts & Lloyds .....	P 573	Union Carbide Co. ....	Welkom Gold Mining Co. ....	MF 48, ME 80, Sups. Jan. 31 & May 2
ME 112, MF 165, ME 169, MF 482, FN 610		Stilfontein Gold Mining Co. ....	Sups. Jan. 31 & May 2	Union Carbide Co. ....	Wellington Alluvians .....	FN 582
S		St. Helena Gold Mines .....	Sups. Jan. 31 & May 2, MF 390, 481, A 569, ME 642, MF 643	Union Carbide Co. ....	West Driefontein Co. ....	Sups. Jan. 31 & May 2, MF 390, 545
Safety Products .....	M 136	St. John del Rey Mining Co. ....	MF 109, 670	Union Carbide Co. ....	Western Holdings .....	MF 48, 77, ME 80,
Saltgitter Maschinen A.G. ....	MM 329	St. Joseph Lead Co. ....	MM 214, M 730	Union Carbide Co. ....	Western Mining Corporation .....	MM 696
Samuels (Frank) & Co. Inc. ....	MM 189, 755	St. Patrick's Copper Mines .....	N 180, MM 214, N 469	Union Carbide Co. ....	Western Nickel .....	MM 250
San Francisco Mines of Mexico	MF 193, ME 195	Stollberg Zinc .....	MM 619	Union Carbide Co. ....	Western Nuclear Corporation A 693	
Schachtbau Thyssen .....	MM 135	Straits Trading Co. ....	MF 610, ME 664	Union Carbide Co. ....	Western Refs Exploration & Development .....	Sups. Jan 31 and May 2, MM 135, DR516
Selayang Tin Dredging .....	FN 390	Strategic Materials Corporation T 633		Union Carbide Co. ....	Western Rift Exploration Co. ....	A 298
Selection Trust .....	FN 111	Strauss (A.) & Co. ....	MM 635, N 636	Union Carbide Co. ....	Western Selection & Development Co. ....	MF 22
Seremban .....	FN 111	Sub Nigel .....	Sups. Jan. 31 & May 2	Union Carbide Co. ....	Westinghouse Brake & Signal Co. ....	M 136, P 573
Sharples Centrifuges .....	M 730	Sullivan Mining Co. ....	MM 635	Union Carbide Co. ....	Westminster Bank .....	FN 78, ME 11
Sheepbridge Engineering .....	MM 300	Summers (John) & Sons .....	ME 84, MF 110	Union Carbide Co. ....	West Rand Consolidated Sups. Jan. 31 & May 2, FN 167, A 294, ME 582	
Shell Oil Co. ....	M 414, A 568	Sungei Besi Mines .....	M 539, MM 696	Union Carbide Co. ....	West Rand Investment Trust	MF 110, MM 189, MF 579
Sherrill & Mason .....	MM 417	Sutcliffe (Richard) .....	M 539, MM 696	Union Carbide Co. ....	West Sparwater Gold Mining Co. ....	FN 676
Schwayer Co. ....	MM 664	T		Union Carbide Co. ....	West Viakfontein Gold Mining Co. ....	MM 105, FN 672
Slamene Tin Syndicate .....	MF 641, 701	Tableland Tin Dredging .....	N 209	Union Carbide Co. ....	West Witwatersrand Areas	Sups. Jan. 31 & May 2
Siebe Gorman & Co. Inc. ....	M 355	Tambun Mining Co. ....	N 469	Union Carbide Co. ....	Whitecross Co. ....	MM 446
Siemens Edison Swann .....	MM 755	Tandem Mines .....	A 270	Union Carbide Co. ....	Wiggin (Henry) & Co. ....	MM 475
Silvermines Lead & Zinc Co. ....	N 180	Tanganyika Concessions .....	ME 142, FN 276, MF 139	Union Carbide Co. ....	Wiley Mining Machinery Co. ....	M 357
Simard, Knight & Associates .....	MM 215	Tangold Mining Co. ....	A 297	Union Carbide Co. ....	Wilkinson Rubber Linates .....	MM 573
Simmer & Jack .....	Sups. Jan. 31 & May 2	Tanjong Tin Dredging .....	MF 761	Union Carbide Co. ....	Williams Diamonds .....	MM 72, A 297
Simon-Carves .....	A 294	Tanjong Tin Dredging .....	MF 761	Union Carbide Co. ....	Willroy Mines .....	A 751
Sinai Manganeese Mining Co. ....	MM 214	Taquah & Abosso Mines .....	FN 111	Union Carbide Co. ....	Winkelhaak Mines .....	MF 49,
Sinai Mining Co. ....	MM 45	Tati Goldfields .....	FN 167	Union Carbide Co. ....	Sups. Jan. 31 & May 2, MF 641,	ME 642
Skinner (Thos.) & Co. ....	R 333	Taylor Tin Dredging .....	FN 167	Union Carbide Co. ....	Witbank Colliery .....	FN 22, DR 24,
Skinner (Walter E.) .....	MF 610	Tecalemit .....	FN 414	Union Carbide Co. ....	Witwatersrand Gold .....	MF 110
Societe des Mines du Jebel Guettara .....	N 320	Tekka Taiping .....	FN 167,	Union Carbide Co. ....	Witwatersrand Nigel .....	Sups. Jan. 31 &
Societe des Mines de Zeldija .....	A 470	Telegraph Construction & Maintenance Co. ....	MF 517, FN 643, 703	Union Carbide Co. ....	May 2, MM 272	
Societe Miniere du Beceka .....	A 267	Tennant (C.) Sons & Co. ....	MM 300	Union Carbide Co. ....	Wolf Electric Tools .....	MM 509
Societe Miniere et Metallurgique de Penarroya .....	A 470	Tennessee Valley Authority .....	MM 300	Union Carbide Co. ....	Wood (Hugh) & Co. ....	MM 300
Sondotecnica Engenharia de Sotos, S.A. ....	MM 386	Thailand Steel Co. ....	MM 300	Union Carbide Co. ....	World Bank .....	MM 105, 541
South African & General Investment Trust .....	MM 696	Thor Power Tool Co. ....	M 358	Union Carbide Co. ....	Worthington-Simpson .....	M 758
South African Land and Exploration Co. ....	MF 450	Three Bells Mining & Milling Co. ....	MM 755	Union Carbide Co. ....		
South African Torbanite Mining & Refining Co. ....	FN 224	Tin Research Institute .....	MM 355	Union Carbide Co. ....		
South Crofty .....	A 535, ME 738	Transvaal & O.F.S. Chamber Mines .....	MM 272	Union Carbide Co. ....		
Southern Kinta Consolidated .....	MF 517	Transvaal Consolidated Land & Exploration .....	ME 612	Union Carbide Co. ....		
Southern Malayan Tin Dredging .....	MF 517	Transvaal Gold Mining Estates .....	Sup. Jan 31	Union Carbide Co. ....		
Southern Peru Copper Corporation .....	MM 72, 508	Trepca Mines .....	FN 362	Union Carbide Co. ....		
South Roodepoort .....	Sups. Jan. 31 & May 2	Triefus & Co. ....	M 606	Union Carbide Co. ....		
South Staffordshire & Warwickshire Institute of Mining Engineers .....	A 692	Trist (Hubert H.P.) & Co. ....	MM 509	Union Carbide Co. ....		
South Wales Institute of Engineers .....	MM 213, 542	Tube Corporation .....	MF 194, A 210	Union Carbide Co. ....		
South West Africa Co. ....	MM 72, A 210, MF 361	Tubewrights .....	M 444, P 573	Union Carbide Co. ....		

## The Mining Journal —brings the World's Mining NEWS to the World's Mining MEN

The prospecting of new areas and the development of new mines has a vital bearing on the amount of metal coming on to the world markets, and in consequence directly influences mining share values. Again, news about research into new uses for metals and about the development of substitutes is vital alike to the miner and the investor. Equally important to both is news of improved mining methods or new machinery developed in the continuous search for higher productivity, which is the key to maximum utilization of capital and labour, and (in these days of low-grade mining) to the lowering of pay limits.

It is information on matters such as these which The Mining Journal gives each week, in addition to its comprehensive news service covering the progress of individual mines all over the world.

### Each week The Mining Journal reports on :—

- world economic and political trends in relation to mining
- developments in mining practice and equipment
- mining statistics of the principal countries and companies
- market prospects for the metals and minerals
- movements in the mining share markets

### During last year The Mining Journal covered :—

- over 70 metals and minerals
- events and statistics in 75 countries
- the activities of some 500 mining companies

## The Mining Journal is read in 80 countries

Subscription Rate £3.0.0 (post free anywhere)

(Second Class Air Mail Rates on Application)

Subscription orders to The Mining Journal, 15 Wilson Street, Moorgate, London, E.C.2.

Phone: MONarch 2567



# MACHINERY & EQUIPMENT DIRECTORY

Buyers will find the addresses of the companies listed below in the advertisement pages of our recent issues. Alternatively, enquiries may be addressed to *The Mining Journal*, 15 Wilson Street, London, E.C.2. Phone: MONarch 2567.

- AGITATORS**  
Denver Equipment Co. Ltd.
- AIRMETERS & ANEMOMETERS**  
Short & Mason
- BALL MILLS**  
Fraser & Chalmers Eng'g Wks.  
Pegson Ltd.
- BALL MILL LINERS**  
Hadfields Ltd.
- BALLS FOR MILLS**  
Brindley (F. J.) & Sons (Sheffield) Ltd.
- BEARINGS**  
British Timken Ltd.
- BELTING — RUBBER & FIRE RESISTANT**  
Goodyear Tyre & Rubber Co.  
Moseley (David) & Sons Ltd.  
North British Rubber Co. Ltd.  
Rubber Improvement Ltd.
- BOILERS**  
Davey Paxman & Co. Ltd.
- BOREHOLE & DRILLING CONTRACTORS**  
Conrad Stork Hijach. N.V.  
Craelius. Co. Ltd.  
Thom (John) Ltd.
- BRAKE & CLUTCH LININGS**  
Small & Parkes Ltd.
- CABLES**  
Siemens Edison Swan Ltd.
- CALCINING PLANT**  
Fraser & Chalmers Eng'g Wks
- CASTINGS**  
Hadfields Ltd.
- CEMENTATION**  
Cementation Co. Ltd.
- CHEMICALS**  
I.C.I. (Gen. Chem. Div.)
- CLASSIFIERS**  
Denver Equipment Co. Ltd.  
Head, Wrightson & Co. Ltd.
- CLUTCHES — FRICTION**  
Wigglesworth (F.) & Co. Ltd.  
Small & Parkes Ltd.
- COAL BREAKERS**  
Hadfields Ltd.
- COAL CUTTERS**  
Joy-Sullivan Ltd.
- COAL PREPARATION PLANT**  
Birtley Engineering Ltd.  
Fraser & Chalmers Eng'g Wks.  
Head Wrightson & Co. Ltd.  
Pegson Ltd.
- COMPRESSORS — AIR**  
Atlas Copco AB.  
Consolidated Pneumatic Tool Co. Ltd.  
Holman Bros. Ltd.  
Howden (James) & Co. Ltd.  
Mackay Industrial Equipment Ltd.  
Ward (Thos. W.) Ltd.
- CONCENTRATING TABLES**  
Davies Magnet Works Ltd.  
Fraser & Chalmers Eng'g Wks.  
Knapp & Bates Ltd.
- CONCRETE MIXERS**  
Ransomes & Rapier Ltd.
- CONVEYORS**  
Birtley Engineering Ltd.  
Cable Belt Ltd.  
Head Wrightson & Co. Ltd.  
Pegson Ltd.  
Wood (Hugh) & Co. Ltd.
- CRANES**  
Ward (Thos. W.) Ltd.
- CRAWLER TRACTORS**  
Mackay Industrial Equipment Ltd.
- CRUSHERS — JAW**  
Fraser & Chalmers Eng'g Wks.  
Hadfields Ltd.  
Pegson Ltd.  
Sheepbridge Eng'g Ltd.
- CRUSHERS — GYRATORY**  
Hadfields Ltd.  
Pegson Ltd.  
Sheepbridge Eng'g Ltd.
- CYANIDE PLANTS**  
Denver Equipment Co. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Knapp & Bates Ltd.
- DETONATOR BOXES**  
Godfrey Holmes (Plastics) Ltd.
- DIAMONDS — INDUSTRIAL**  
Smit (J. K.) & Sons Ltd.  
Van Moppes (L. M.) & Sons Ltd.
- DRAGLINE BUCKETS**  
Bucyrus-Erie Co.  
Hadfields Ltd.  
Ruston-Bucyrus Ltd.
- DREDGE BUCKETS**  
Hadfields Ltd.
- DRILL BITS — DETACHABLE**  
Atlas Copco AB.  
Consolidated Pneumatic Tool Co. Ltd.  
Holman Bros. Ltd.  
Rip Bits Ltd.
- DRILL BITS — DIAMOND**  
Craelius Co. Ltd.  
Smit (J. K.) & Sons Ltd.  
Van Moppes (L. M.) & Sons Ltd.
- DRILL RIGS**  
Conrad Stork Hijach. N.V.  
Joy-Sullivan Ltd.  
Reichdrill Mfg Co.  
Ruston Bucyrus Ltd.
- DRILL RODS**  
Atlas Copco AB.  
Holman Bros. Ltd.  
Rip Bits Ltd.  
Wood (Hugh) & Co. Ltd.
- DRILL SHARPENERS**  
Atlas Copco AB.  
Holman Bros. Ltd.
- DRILL STEEL**  
Atlas Copco AB.  
Brindley (F. J.) & Sons (Sheffield) Ltd.  
Hadfields Ltd.
- DRILLS — DIAMOND & CORE**  
Craelius Co. Ltd.  
Joy-Sullivan Ltd.  
Smit (J. K.) & Sons Ltd.
- DRILLS — PROSPECTING**  
Conrad Stork Hijach. N.V.  
Reichdrill Mfg Co.  
Ruston Bucyrus Ltd.
- DRILLS — ROCK**  
Atlas Copco AB.  
Consolidated Pneumatic Tool Co. Ltd.  
Holman Bros. Ltd.  
Ruston-Bucyrus Ltd.  
Wood (Hugh) & Co. Ltd.
- EARTH MOVING EQUIPMENT**  
Blackwood Hodge (J.) & Co. Ltd.  
Premier Plant & Hire Co. Ltd.  
Ward (Thos. W.) Ltd.
- ELECTRIC MOTOR & CONTROL GEAR**  
British Thomson-Houston Co. Ltd.  
General Electric Co. Ltd.  
Metropolitan-Vickers Electrical Co.
- ELECTRICAL SWITCHGEAR**  
British Thomson-Houston Co. Ltd.  
General Electric Co. Ltd.  
Metropolitan-Vickers Electrical Co.  
Wood (Hugh) & Co. Ltd.
- ELECTRICAL PRECIPITATION**  
Lodge Cottrell Ltd.
- EXCAVATORS**  
Blackwood Hodge (J.) & Co. Ltd.  
Bucyrus-Erie Ltd.  
Premier Plant and Hire Co. Ltd.  
Ransomes & Rapier Ltd.  
Ruston Bucyrus Co.
- EXPLOSIVES — BLASTING**  
I.C.I. (Nobel Division)
- FILTERS**  
Denver Equipment Co. Ltd.
- FIRE EXTINGUISHERS**  
Pyrene Co. Ltd.
- FLEXIBLE JOINTS**  
The Unicone Co. Ltd.
- FLOTATION EQUIPMENT**  
Boulton (Wm.) Ltd.  
Denver Equipment Co. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Huntington, Heberlein & Co. Ltd.  
Knapp & Bates Ltd.
- FLOTATION REAGENTS**  
I.C.I. (Gen. Chem. Div.)  
National Chemical Products Ltd.
- FOUNDATIONS**  
Cementation Co. Ltd.
- FURNACES**  
Huntington-Heberlein & Co. Ltd.
- GEOPHYSICAL INSTRUMENTS**  
Hilger & Watts Ltd.
- GEOPHYSICAL & GEOLOGICAL SURVEYS**  
Craelius Co. Ltd.  
Thom (John) Ltd.
- GRINDING PANS**  
Fraser & Chalmers Eng'g Wks.  
Holman Bros. Ltd.
- HANDLING PLANT**  
Birtley Engineering Ltd.  
Head Wrightson & Co. Ltd.  
Pegson Ltd.
- HAULAGE GEAR**  
Austin Hopkinson & Co. Ltd.  
Holman Bros. Ltd.
- HELMETS**  
Siebe Gorman & Co. Ltd.
- HOISTS**  
Atlas Copco AB.  
Austin Hopkinson & Co. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Holman Bros. Ltd.
- HOSE — RUBBER**  
Goodyear Tyre & Rubber Co.  
Moseley (David) & Sons Ltd.  
North British Rubber Co. Ltd.
- LIGHTING EQUIPMENT**  
A.E.I. Lamps & Lighting Ltd.  
General Electric Co. Ltd.
- LOADERS—ROTARY DISC**  
Salzgitter Maschinen Akt.
- LOCOMOTIVES — DIESEL**  
Hudson (Robert) Ltd.  
Hudswell, Clarke & Co. Ltd.  
Ruston & Hornsby Ltd.  
Wood (Hugh) & Co. Ltd.
- LOCOMOTIVES — ELECTRIC**  
Greenwood & Batley Ltd.  
Wingrove & Rogers Ltd.
- MAGNETIC SEPARATORS**  
Davies Magnetic Works Ltd.  
Huntington, Heberlein & Co. Ltd.  
Rapid Magnetic Machines Ltd.
- MAGNETS-ELECTRO LIFTING**  
Rapid Magnetic Machines Ltd.
- METAL DETECTOR**  
Cinema-Television Ltd.  
Metal Detection Ltd.
- MINE CARS**  
Hudson (Robert) Ltd.
- MINE CAR — WHEELS & AXLES**  
Hadfields Ltd.
- PICKS — PNEUMATIC**  
Atlas Copco AB.  
Holman Bros. Ltd.  
Wood (Hugh) & Co. Ltd.
- PLANT — HIRE**  
Ward (Thos. W.) Ltd.
- PUMPING EQUIPMENT**  
British LaBour Pump Co. Ltd.  
Comet Pump & Eng'g Co. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Pegson Ltd.  
Ward (Thos. W.) Ltd.
- PUMPS — CENTRIFUGAL**  
British LaBour Pump Co. Ltd.  
Comet Pump & Eng'g Co. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Pegson Ltd.  
Ward (Thos. W.) Ltd.
- PUMPS — SAND**  
Denver Equipment Co. Ltd.  
Fraser & Chalmers Eng'g Wks.
- PUMPS — SINKING**  
Thom (John) Ltd.
- RAILWAY PLANT & EQUIPMENT**  
Hudson (Robert) Ltd.  
Ward (Thos. W.) Ltd.
- RESPIRATORS**  
Siebe Gorman & Co. Ltd.
- ROOF BOLTING EQUIPMENT**  
Holman Bros. Ltd.
- ROOF SUPPORTS**  
Dowty Mining Equipment Ltd.
- ROTARY VACUUM FILTERS**  
Davey Paxman & Co. Ltd.
- RUBBER PRODUCTS**  
Goodyear Tyre & Rubber Co.  
Moseley (David) & Sons Ltd.  
North British Rubber Co. Ltd.  
Rubber Improvement Ltd.
- SAFETY EQUIPMENT**  
Siebe Gorman & Co. Ltd.
- SCRAPER HAULAGE**  
Austin Hopkinson & Co. Ltd.  
Holman Bros. Ltd.  
Wood (Hugh) & Co. Ltd.
- SCRAPER LOADERS**  
Atlas Copco AB.  
Joy-Sullivan Ltd.
- SCREENING PLANT**  
Davies Magnet Wks. Ltd.  
Fraser & Chalmers Eng'g Wks.  
Harvey (G. A.) & Co. (London) Ltd.  
Pegson Ltd.
- SHAFT SINKING**  
Cementation Co. Ltd.
- SHOVEL LOADERS**  
Atlas Copco AB.  
Joy-Sullivan Ltd.  
Salzgitter Maschinen Akt.
- SURVEYING INSTRUMENTS**  
Hilger & Watts Ltd.
- TEST SIEVE VIBRATOR**  
The Pascal Eng'g Co. Ltd.
- THICKENERS**  
Denver Equipment Co. Ltd.
- TIMBER PRESERVATIVES**  
Hickson's Timber Impregnation Co.  
(G.B.) Ltd.
- TRANSFORMERS**  
British Thomson-Houston Co. Ltd.  
General Electric Co. Ltd.  
Metropolitan-Vickers Electrical Co.
- TUBE MILL LINERS**  
Hadfields Ltd.
- VEE-ROPE DRIVES**  
Wigglesworth (F.) & Co. Ltd.
- VENTILATION FANS**  
Howden (James) & Co. Ltd.
- VENTILATION HOSE**  
Flexible Ducting Ltd.  
Rubber Improvement Ltd.
- WATER SUPPLY EQUIPMENT**  
Thom (John) Ltd.
- WELDING**  
Cementation Co. Ltd.
- WIRE ROPE & ACCESSORIES**  
British Ropes Ltd.
- WINDING EQUIPMENT — ELECTRIC**  
British Thomson-Houston Co. Ltd.  
General Electric Co. Ltd.

---

Published by The Mining Journal, Ltd.,  
15 Wilson Street, London, E.C.2, and  
printed by Washburn & Sons Ltd.,  
Queens Road, Southend-on-Sea, Essex.

---



# The Mining Journal

## I N D E X

To VOLUME TWO-HUNDRED-AND-FIFTY-ONE  
JULY - DECEMBER 1958

### INDEX CLASSIFICATION

Metals and Minerals - - - Page 1      Methods and Machines - - - Page 6  
Countries - - - Page 4      Companies and other Public Bodies - Page 8

#### KEY TO CODE LETTERS

A Articles  
CN Company Notices  
Div Dividends  
DR Directors' Reports

FN Financial News and Results  
M Machinery and Equipment  
ME Company Meetings  
MF Mining Finance

MM Mining Miscellany\*  
MR Mine Returns  
MT Metals, Minerals and Alloys  
N Notes and Comments

Ob Obituaries  
P Paragraph  
R Reviews  
T Technical Briefs

\* Denotes brief references

### Metals and Minerals

- |   |        |   |                      |   |                            |   |        |
|---|--------|---|----------------------|---|----------------------------|---|--------|
| <b>ALUMINIUM</b>                                      |        | <b>ASBESTOS</b>                                 |                      | The peaceful uses of atomic energy                              | A 106                      | <b>COAL—THE AMERICAS</b>                    |        |
| Babbly aluminium                                      | T 16   | Value of Cyprus's exports falls                 | N 68                 | Spectrographic determination of beryllium                       | T 419                      | Coal in Nova Scotia                         | MM 15  |
| Aluminium derrick for prospecting                     | M 45   | Canada's mineral production may triple          | A 99                 | Determination of beryllium                                      | T 637                      | Coal in Canadian metallurgy                 | T 16   |
| Russia's aluminium sales                              | MT 79  | Metals and minerals                             | MT 106, 480          | Moroccan beryl mine closed                                      | MM 638                     | Canadian coal                               | N 145  |
| Canada's mineral production may triple                | A 99   | U.S. research programmes                        | N 173                | Somaliland's mineral resources                                  | N 691                      | Coal deposits in Colombia                   | MM 180 |
| Expanding outlets for aluminium                       | A 102  | Canadian round-up                               | C 178                |   |                            | Laboratory-office structure near Pittsburgh | MM 180 |
| U.S. research programmes                              | N 173  | Government purchases of asbestos and fluor spar | MM 203               | <b>BISMUTH</b>  |                            | Pipeline transportation                     | N 219  |
| Aluminium from Idaho                                  | MM 180 | Mineral discoveries in China                    | MM 284               | Metals and minerals   | MT 287                     | Increasing coal output at Rio Turbio        | MM 284 |
| Aluminium phosphate in French West Africa             | MM 203 | Bibliography of asbestos resources in the U.S.  | R 516                | <b>BORAX</b>  |                            | Coal mining in El Cerrejon                  | MM 312 |
| Aluminium in Poland                                   | MM 203 |   |                      | Turkish borax deposit   | MM 393                     | French engineer for Argentine               | MM 346 |
| More freedom for East-West Trade                      | N 193  | <b>BARITE</b>                                   |                      |   |                            | Coal washing plants                         | MM 393 |
| Aluminium in the Soviet Union                         | C 199  | Brazil's rising mineral exports                 | N 145                | <b>BORON</b>  |                            | Rio Turbio coal mines in Argentina          | MM 447 |
| Mining in some Far-Eastern countries                  | A 225  | <b>BARYTES</b>                                  |                      | U.S. research programme   | N 173                      | Colombian coal                              | MM 478 |
| Norwegian aluminium                                   | MM 227 | Fiji's mineral resources                        | N 246                | Process for making boron trichloride                            | MM 700                     | Naricual coal mines in Venezuela            | MM 605 |
| Development of Siberia's resources                    | N 247  | Yugoslavia's mining and metal industries        | A 309                |   |                            | Mineral discoveries in Mexico               | N 629  |
| Yugoslavia's mining and metal industries              | A 309  | Barytes in Nigeria                              | MM 604               | <b>CADMIUM</b>  |                            | Colombia to exploit coal at Cali            | MM 725 |
| Venezuelan aluminium                                  | MM 311 |   |                      | Metals and minerals   | MT 312                     |   |        |
| Norwegian aluminium for Canada                        | MM 311 | <b>BAUXITE</b>                                  |                      | <b>CARBORUNDUM</b>  |                            | <b>COAL—ASIA</b>                            |        |
| First user of St. Lawrence project                    | MM 337 | Prospecting in Australia                        | MM 77                | Raw materials and chemicals for metallurgical processing        | A 631                      | Japanese strike ends                        | N 39   |
| The List of Publications                              | R 372  | Bauxite deposits in Western Australia           | MM 127               |   |                            | China's coal plans                          | N 121  |
| Aluminium plant in the Vigo Free Zone                 | MM 422 | Brazil's rising mineral exports                 | N 145                | <b>CASSITERITE</b>  |                            | Mining taxation                             | A 175  |
| Russia's seven-year plan                              | N 559  | U.S. research programmes                        | N 173                | Tin occurrences in the U.S.S.R.                                 | A 533                      | Malayan production Jan-June 1958            | MM 170 |
| Outside bauxite ore storage                           | A 602  | Mining taxation                                 | A 175                | Cassiterite in the Belgian Congo                                | MM 699                     | Chinese mineral reserves                    | MM 203 |
| Aluminium plant in Guayana                            | MM 604 | Malayan production Jan-June 1958                | MM 180               |   |                            | Coal mines at Nong-Son                      | MM 203 |
| And now aluminium                                     | N 627  | Mining in some Far-Eastern countries            | A 224                | <b>CHROME</b>   |                            | Development of Siberia's resources          | N 247  |
| American experts visit Ghana                          | MM 638 | Fiji's mineral resources                        | N 246                | Value of Cyprus's exports falls                                 | N 69                       | Coal reserves in China                      | MM 284 |
| Aluminium at Bell Bay, Tasmania                       | MM 638 | India's refractories industry                   | A 254                | A new high-carbon ferro-chrome                                  | MM 180                     | Mineral discoveries in China                | MM 284 |
| Aluminium Centre                                      | MM 700 | Yugoslavia's mining and metal industries        | A 309                | Metals and minerals   | MT 229, 481, 608, 639, 727 | Donbas coal cutter                          | MM 284 |
| Better times in sight?                                | N 717  | Bauxite deposits in China                       | MM 366               | India's refractories industry                                   | A 254                      | U.S.S.R. coal output                        | MM 312 |
| (See also weekly section under "Metals and Minerals") |        | Russian bauxite and coal                        | MM 478               | Ranomafana chrome ore deposits                                  | MM 534                     | The mining industry in South Korea          | A 332  |
|   |        | Aluminium sulphate plant                        | MM 566               | Chrome mines in Southern Rhodesia                               | MM 699                     | Mechanization in Chinese coal pits          | MM 337 |
| <b>AMBLYGONITE</b>                                    |        | Harbour facilities of Enriquillo                | MM 566               |   |                            | China to introduce hydraulic mining         | MM 366 |
| Brazil's rising mineral exports                       | N 145  | Metals and minerals                             | MT 569               | <b>CLAY</b>   |                            | Dust in Chinese coal                        | MM 394 |
|   |        | Outside bauxite ore storage                     | A 602                | India's refractory industry                                     | A 254                      | Russian bauxite and coal                    | MM 478 |
| <b>ANHYDRITE</b>                                      |        | Large programme of expansion in Brazil          | MM 605               |   |                            | China's iron ore reserves                   | MM 510 |
| Gypsum and anhydrite                                  | A 362  | Large Hawaiian bauxite deposits                 | MM 638               | <b>COAL—AFRICA</b>  |                            | Proved reserves of Indian coal              | MM 534 |
| Somaliland's mineral resources                        | N 691  | Commonwealth Aluminium                          | MM 725               | Congo coal  | N 9                        | Report on the use of Chinese coal           | MM 566 |
|   |        | <b>BENTONITE</b>                                |                      | South African and Rhodesian coal output for April-June 1958     | MR 210                     | Sulphur coking coal in Russia               | MM 566 |
| <b>ANTHRACITE</b>                                     |        | Rich South African bentonite deposit            | MM 638               | Mining in some Far-Eastern countries                            | A 224                      | The first modern coal mine in China         | MM 638 |
| Chinese mineral reserves                              | MM 203 |   |                      | Coal exploration records of boreholes                           | R 232                      | Chile to prospect for coal                  | MM 638 |
| Eire's coal output rises                              | N 195  | <b>BERYLLIUM</b>                                |                      | Nigerian iron ore and coal                                      | MM 257                     | Petrology of Indian coals                   | R 646  |
| The mining industry in South Korea                    | A 332  | Metals and minerals                             | MT 18, 154, 258, 480 | Recent developments at South African collieries                 | A 333                      | Coal mines in South Vietnam                 | MM 725 |
| Mineral discoveries in Mexico                         | N 629  | Beryllium for nuclear reactors                  | MM 103               | South African stores  | MM 478                     |   |        |
|   |        | Beryllium mill at Colorado                      | MM 127               | South African and Rhodesian coal output for July-September 1958 | MR 545                     | <b>COAL—AUSTRALASIA</b>                     |        |
| <b>ANTIMONY</b>                                       |        | U.S. research programme                         | N 172                |   |                            | Coking coal from Australia for Japan        | MM 46  |
| U.S. antimony statistics                              | MT 80  | Mining in some Far Eastern countries            | A 224                |   |                            | Australian coking coal                      | MM 203 |
| Underground mineral resources of Brittany             | A 334  | Brazilian beryl                                 | A 277                |   |                            | Current aspects of Australian coal mining   | A 220  |
|   |        |   |                      |   |                            | Australian black coal shines                | N 304  |

Mining in New Zealand still at low ebb N 559  
Joint New Zealand-Japanese exploitation of coking coal MM 566

**COAL—EUROPE**

"Little Europe" coal and steel industries MM 15  
The Liege coal preparation congress A 44  
Dutch coal mines MM 76  
Coal record MM 76  
French group MM 103  
Hydraulic stowing in Polish coal mines A 146  
Austria's coal output MM 153  
The Hungarian coal industry N 173  
Unsold coal at Duisburg MM 203  
Community credits N 195  
Excessive stocks of coal N 219  
Mining in Bulgaria A 282  
Yugoslavia's mining and metal industries A 308  
Belgium pits to close MM 337  
Ruhr coal industry's proposals MM 337  
European coal problems N 357  
Mining output in Bulgaria MM 334  
Austria taxing coal imports MM 393  
Six more Belgian coal pits close MM 421  
West Germany's coal crisis MM 447  
Record investment N 469  
Belgian coal pits to close MM 478  
Austria to import coal MM 478  
Coal situation worsens N 501  
Coal shipments from Norway MM 534  
Subsidy for European coal MM 534  
Polish coal conference MM 567  
New of Norwegian coal and iron MM 604  
Turkish coal production MM 699  
Poland's Miners' day MM 725

**COAL—GREAT BRITAIN**

Closure of West Cancock M 180  
"Colliery Year Book and Coal Trades Directory, 1958" R 209  
Excessive stocks of coal N 219  
British coal slump N 277  
Pay comprise for British miners M 329  
Central power station at Yorkshire MM 337  
Mining's infinite variety N 385  
The Westfield project A 472  
Coal situation worsens N 501  
Miners reject wage increase N 529  
Improving the efficiency of the coal mining industry A 563  
Coal measures handicap high-speed sinking M 565  
Irish coal mine for sale M 604  
This is it N 628  
Environmental conditions in coal mines R 646

**COAL—VARIOUS**

Liege coal preparation congress A 72  
Alaskan coal for Japan N 385  
Coal resources in Burma MM 103  
Bibliographical references on coal production methods MM 180  
Elre's coal output rises N 195  
New coal areas in India MM 227  
Fiji's mineral resources N 246  
Focus on New Delhi N 384  
Coking coal from Norway MM 421  
Prospecting for coal by drilling MM 421  
Better times in sight? N 717

**COBALT**

Oxidation of nickel, cobalt and copper M 16  
Metals and minerals MT 229, 481, 535  
Recovering nickel and cobalt MM 284

**COKE**

Imports of coke into Denmark MM 337

**COLUMBITES**

Columbite concentrate from radioactive black sand T 16  
Brazil's rising mineral exports MM 145  
Malayan production, Jan-June, 1958 MM 180

**COLUMBIUM**

Extraction and recovery of some rarer metals A 12  
Metals and minerals MT 154  
U.S. research programmes N 172

**COPPER**

Markets for Chilean copper N 8  
Oxidation of nickel, cobalt and copper T 16  
International agreements for copper, lead and zinc N 37  
New copper mine in the Philippines MM 46  
Value of Cyprus's exports falls N 68  
Nchanga Copper Mines ends its programme MF 81  
Canadian round-up A 75  
Chinese copper from scrap MM 76  
Copper ore deposits at Volkovsk Canada's mineral production may triple A 99  
Expanding outlets for aluminium A 102  
Report of copper in Chekiang Northern Rhodesian copper project M 105

**Economics of Copperbelt labour relations**

N 119  
Brazil's rising mineral exports N 145  
Canadian copper mines MM 152  
Canadian round-up C 178  
Copper production resumed in Miami MM 180  
Drilling for copper MM 203  
Copper deposit in Poland MM 203  
More freedom for East-West trade N 193  
Jobs in dispute N 194  
Mining in some Far-Eastern countries A 225  
New copper discovery in Canada MM 227  
Indian copper's tax cushion FN 232  
Fiji's mineral resources N 246  
Madagascar's mineral resources A 248  
Pumping fused copper concentrate T 255  
New Hoope Mines MM 257  
Newfoundland copper MM 284  
Mineral discoveries in China MM 284  
Mining in Bulgaria A 282  
Yugoslavia's mining and metal industries A 309  
The mining industry in South Korea A 332  
Bad week for base metals MF 342  
Brighter prospects for metals N 357  
Mining output in Bulgaria MM 337  
Chineses copper ore MM 366  
Anacanda-Jordan Associates MM 366  
Uses of processed copper MM 393  
Congo plant project for Brazil MM 412  
Will the copper price hold? N 422  
Copper in British Columbia MM 422  
Too far, too fast in coppers MF 422  
Elre's new copper mine A 446  
Copper Development Association MM 447  
Prospecting at Tennant Creek N 469  
A new copper deposit in the Urals MM 478  
Copper metal from the Philippines MM 478  
Back to work on the Copperbelt N 499  
Copper merger MM 534  
The turn in the tide N 557  
Copper and pyrites at Avoca A 560  
Grandue Mines discontinue copper working MM 566  
Exploitation of Israel's mineral resources N 597  
Mining methods at Avoca A 600  
Kazakhstan's copper output MM 604  
Chibougamau goldfield MM 604  
Canadian copper syndicate MM 604  
Mineral discoveries in Mexico N 629  
Copper deposit in East Germany MM 638  
Finnish ore discoveries MM 638  
Texas copper production MM 666  
Canadian Copper and Brass Development Association MM 666  
Copper works at Timna MM 699  
New Turkish copper plant MM 699  
Better times in sight? N 717  
Copper deposits in Glogow MM 725  
(See also weekly notes under "Metals and Minerals")

**DIAMONDS**

A new diamond swamp MM 15  
Metals and Minerals MT 48, 79, 396  
Diamond mines in Liberia MM 77  
Diamond deal confirmed MT 79  
Prospecting for diamonds MM 257  
South African diamond MM 284  
British Guiana's diamond resources A 388  
Upturn in diamond sales MF 399  
A new diamond-cutting plant in British Guiana MM 421  
Diamond industry in the U.S.S.R. MM 478  
Liberia's diamond laws A 506  
Mining in French Equatorial Africa MM 604  
Better times in sight? N 717

**DIATOMITE**

Mining in New Zealand still at a low ebb N 559

**EMERALDS**

Emeralds from Southern Rhodesia MM 699

**FERRO-CHROME**

Closure of Rhodesian factory MM 366  
New ferrochrome ovens in Norway MM 421  
Norwegian export of ferrochrome MM 421

**FLUORITE**

Valuable review on fluorite flotation T 283

**FLUORSPAR**

Government purchases of asbestos and fluorspar MM 203

**GARNET**

Madagascar's mineral resources A 248

**GAS**

Methane from mine workings MM 152  
Australian natural gas N 597  
Radioisotopes help underground gas scheme A 721

**GERMANIUM**

Research on uranium recovery A 123  
Germanium in British Columbia MM 478

**GOLD—AUSTRALIA**

The Golden Mile MM 15  
Electrification of the Kalgoolie Mines MM 284  
Gold from Fiji mines MM 284  
New Zealand gold mining claim MM 725

**GOLD—CANADA**

Canadian round-up A 75  
Gold in Ontario MM 127  
Canadian round-up C 178  
A promising new gold find in Canada MM 422  
Canadian gold glitters again N 595  
Chibougamau goldfield MM 604

**GOLD—INDIA**

Mica and gold in India MM 103  
Kolar goldfields N 121  
Wynad goldfield in Madras State MM 725

**GOLD—SOUTH AFRICA**

Rand and O.F.S. monthly gold mine returns MR 52, 185, 290, 428, 707  
No big scheme for marginal golds MF 109  
Analysis of quarterly gold mine returns Sups. Aug. 1 & Oct. 31  
Rand and O.F.S. returns for July MF 156  
Rand, Klerksdorp and O.F.S. gold and uranium producers MF 209  
Madagascar's mineral resources A 248  
South African gold returns for August MF 260  
Gold in the French Cameroons MM 284  
South African stores MM 478  
South African gold and uranium producers MR 611  
Rand dividend season opens MF 670  
More Kafir dividends MF 729

**GOLD—SOUTHERN RHODESIA**

Closing of Sun Yat Sen mine MM 567

**GOLD—WEST AFRICA**

West African quarterly gold production returns MR 210, 545  
Mining in French Equatorial Africa MM 604

**GOLD—VARIOUS**

Wanted—a commonsense approach to gold N 7  
No gold in them thar claims! N 39  
Gold mine in Java MM 152  
Malayan production, Jan-June 1958 MM 180  
Mining in some Far Eastern countries A 224  
The mining industry in South Korea A 332  
Underground mineral resources of Brittany A 334  
Gold dredging MM 394  
A gold nugget from Siberia MM 478  
Mining in New Zealand still at a low ebb N 559  
National Bank of Cuba MM 604  
The \$35 bargain N 655  
Better times in sight? N 717  
Gold strike in New Guinea MM 725

**GRAPHITE**

Hard times for Ceylon graphite N 219  
Mining in some Far-Eastern countries A 225  
Metals and Minerals MT 229  
India's refractories industry A 254  
Graphite and mica in Madagascar A 278  
The mining industry in South Korea A 333  
Recession — and progress — in Ceylon A 529  
Graphite production in Kenya A 720

**GYPSUM**

Gypsum and anhydrite A 362  
Somaliand's mineral resources N 691

**HAFNIUM**

U.S. research programmes N 172

**HALLOYSIT**

Mining halloysit MM 284

**ILMENITE**

Malayan production, Jan-June 1958 MM 180  
Mineral products from Senegal MM 203  
Ilmenite production in French West Africa MM 203

**INDIUM**

Indium from zinc slag T 283

**IRIDIUM**

Iridium as a high temperature material A 532

**IRON & STEEL—EUROPE**

Russia's advance in steel production A 73  
Swedish steel centenary MM 76  
French steel industry MM 77  
Coal, Iron and Steel Pool MM 103  
Iron ore mined in France MM 152  
Laryma mine to close MM 180  
Community credits N 195  
Iron from Norway MM 227  
Yugoslavia's mining and metal industries A 309  
Seventy year iron ore concession MM 337  
Pig iron in Portugal MM 422  
Record investment N 469  
News of Norwegian coal and iron MM 604  
Bearings in ore mine winders M 607  
U.S.S.R. iron ore concentrator MM 699  
Siberian iron ore deposits MM 699

**IRON & STEEL—GREAT BRITAIN**

Iron ore imports MM 180  
Has steel outgrown its strength? N 303  
Progress of the B.S.I. N 441  
Easton iron mine MM 478  
Tin-coating cast iron T 568

**IRON & STEEL—NORTH AMERICA**

Canadian round-up A 75, C 178  
Canada's mineral production may triple N 595  
Iron ore from Canada MM 203  
New Canadian processes for low-grade iron ores A 280  
Iron finds in Canada MM 311  
Strategic U.D.Y. process for direct reduction of iron ore MM 393  
Another Canadian mining plant Steep Rock's Hogarth Shaft A 441  
Better times in sight? N 717  
Iron ore supplies for the U.S. steel industry A 724

**IRON & STEEL—VARIOUS**

Workers in Sierra Leone MM 15  
Iron ore in Orissa MM 46  
Steel possibility in New Zealand MM 76  
Dominican iron ore MM 76  
Australian coking coal for Japan MM 76  
Brazil's rising mineral exports N 145  
Iron ore at Mindale Hill, Nyasaland MM 152  
Russian steel marches on N 173  
Mining taxation A 175  
Malayan production Jan-June 1958 MM 180  
Iron from Sierra Leone MM 180  
Liberian iron ore MM 180  
Thailand's iron ore deposits MM 180  
Iron ore plant in North-west Finland MM 203  
French West African iron ore MM 203  
Boring for iron in Ceylon MM 203  
Mining in some Far-Eastern countries A 225  
Indian iron ore exports N 247  
Development of Siberia's resources N 247  
Nigerian iron ore and coal MM 257  
New Zealand iron and steel industry MM 257  
Mineral discoveries in China MM 284  
Iron ore from Venezuela MM 312  
Mining output in Bulgaria N 357  
Indian iron ore for Japan MM 366  
Iron ore to be mined in Lapland MM 366  
Focus on New Delhi N 384  
Trade agreement between Czechoslovakia and Brazil MM 421  
100,000 tons of sponge iron from Brazil MM 421  
Rana iron works MM 421  
Malaya's ore potential for Japan MM 447  
Export of iron ore from India N 469  
New iron ore deposits in the Ukraine MM 478  
No further iron prospecting in Sierra Leone MM 478  
Japanese interests in Chile MM 479  
Nyasaland iron ore on trial A 304  
Iron ore mines in Malaya MM 509  
China's iron ore reserves MM 510  
Russia's seven-year plan N 558  
Indian ferro-manganese plant MM 566  
Iron from Pakistan ore A 599  
Large programme of expansion in Brazil MM 605  
Iron ore in Sierra Leone MM 638  
Poor prospect for Honduras iron MM 638  
Chilean iron ore for Japan MM 638  
Japan to exploit Chilean iron ore MM 667  
Malayan diary A 694  
Japanese mining engineers in Dominican Republic MM 725

**KAOLIN**

Kaolin in Ceylon MM 180  
Ceylon to exploit kaolin deposits MM 605  
South African kaolin deposits MM 699

**KYANITE**

India's refractories industry A 254



**LAPIS LAZULI**  
Mining in some Far-Eastern countries A 224

**LEAD**  
Reduced production for Port Pirie plant MM 15  
U.S. minerals programme MT 18  
International agreements for copper, lead, zinc? N 37  
Swedish Lead Co. MM 77  
Canada's mineral production may triple A 99  
Lead as lubricating base and seal MM 152  
Lead-zinc mine in Yugoslavia MM 180  
Lead-zinc ore deposits at Pristina MM 203  
Yugoslavia's new lead-zinc producer A 198  
The Lead-zinc deposits of the Black Forest R 209  
Madagascar's mineral resources A 249  
Yugoslav lead exports MM 284  
Mining in Bulgaria A 282  
Yugoslavia's mining and metal industries A 309  
New Peruvian smelter project MM 312  
Lead and zinc from Carinthia MM 312  
A deplorable measure N 328  
The mining industry in South Korea A 332  
Bad week for base metals MF 342  
Brighter prospects for metals N 357  
Mining output in Bulgaria N 357  
New Russian lead deposits MM 393  
Bulgaria's output of lead and zinc MM 510  
Denmark owns Greenland's lead and zinc MM 604  
The Zletovo lead and zinc mines A 663  
Stabilization of commodity prices N 689  
Better times in sight? N 717  
(See also weekly notes under "Metals and Minerals")

**LIGNITE**  
Pipeline transportation N 219  
Danish consumption of lignite MM 222  
Mining in Bulgaria A 282  
Mining conditions in the Neiveli lignite project A 417  
A new brown coal MM 509

**LIMESTONE**  
Madagascar's mineral resources A 248  
Limestone mining California M 478  
Recession and progress in Ceylon A 529

**LITHIUM**  
Lithium and its compounds R 516  
Metals and minerals MT 702

**MAGNESITE**  
Brazil's rising mineral exports N 145  
Mining at Uttar Pradesh, India MM 180  
India's refractories industry A 254  
Yugoslavia's mining and metal industries A 309  
Austrian magnesite output MM 421

**MAGNESIUM**  
Metals and minerals MT 182, 206, 480, 727

**MAGNETITE**  
Magnesite in Colombia MM 312  
Magnetite deposits in Pakistan MM 666

**MANGANESE**  
Manganese ore in the Belgian Congo MM 15  
Metals and minerals MT 48, 154, 229, 288, 340, 608, 702  
Ukraine manganese ore mine MM 76  
Brazil's rising mineral exports N 145  
Fiji's mineral resources N 246  
Development of Siberia's resources N 247  
The leaching of manganese from pyrolite MT 283  
Cess on exports of manganese MM 311  
Economic utilization of U.S. manganese MM 440  
Manganese from Bechuanaland MM 447  
How much butter is a pound of zinc? N 528  
Manganese deposits of Cuba A 561  
Sampling of manganese ore MM 567  
Manganese in Portuguese West Africa MM 666  
German geologists to examine manganese in Uruguay MM 667  
Western Australia's search for metals A 693

**MARBLE**  
Malayan marble industry MM 421

**MERCURY**  
More quicksilver from Philippines MM 203

**MICA**  
Mica and gold in India MM 103  
Brazil's rising mineral exports N 145  
Mining taxation A 173  
The Commonwealth's mica A 176

**Metals and minerals**  
MT 218, 341, 450, 669  
Graphite and mica in Madagascar A 278  
Mica in India MM 393  
Decline in Brazilian mica MM 421

**MOLYBDENUM**  
Extraction and recovery of some rarer metals A 12  
Metals and minerals MT 511, 536  
Novel plant to produce molybdenum MM 604

**MONAZITE**  
Malayan production Jan-June 1958 MM 180  
Working group on atomic energy MM 312

**NAPHTHA**  
Yugoslavia's mining and metal industries A 309

**NICKEL**  
Oxidation of cobalt, nickel and copper T 16  
Nickel and its alloys R 86  
Canada's mineral production may triple A 99  
Surveying Craigmont nickel area MM 127  
Ungava nickel belt MM 152  
Nickel Rim mines MM 227  
Madagascar's mineral resources A 249  
Stress in electrodeposited nickel T 255  
Surigao nickel deposits MM 284  
Nickel plant in Cuba MM 284  
Recovering nickel and cobalt MM 284  
Nickel at Timmins MM 311  
A bibliography of Nickel R 372  
Tasmanian nickel deposits MM 393  
New nickel mine in Finland MM 478  
Kotalahiti nickel mine in Finland MM 604  
Canada's sub-arctic nickel mine A 634  
Larymna Mining Company MM 638  
Better times in sight? N 717  
Nickel in Finland MM 725

**NIOBIUM**  
Pilot plant for niobium extraction at Panda Hill A 40  
Minerals research in Malaya A 664

**OIL**  
Oil from coal industry in Southern Rhodesia MM 103  
Test drilling in Libya MM 180  
Potash from oil borings in Jutland MM 203  
Search for oil in Denmark MM 421  
Oil survey in Eire MM 421  
Oil prospecting in North Sumatra MM 422  
Russia's seven-year plan N 559

**PEAT**  
Converting peat into coke MM 604

**PHOSPHATE**  
Phosphates in Uganda MM 15  
U.S. research programmes N 173  
Mineral products from Senegal MM 203  
Mining in some Far-Eastern countries A 224  
Phosphates and potash in Israel N 247  
Northern Nyasaland MM 509  
Exploitation of Israel's mineral resources N 597  
Treatment of phosphate rocks T 337  
Phosphates deposits in Angola MM 638  
Soviet mining exports in Indonesia MM 725

**PLATINUM**  
Metals and minerals MT 18, 106, 205, 340, 364, 569, 608  
Iridium as a high temperature material A 532  
Better times in sight? N 717

**POTASH**  
Potash from oil borings in Jutland MM 203  
Phosphates and potash in Israel N 247  
Sixth International Potash Congress MM 337  
Potash in Canada MM 393  
Exploitation of Israel's mineral resources N 597  
Exports of Israeli potash MM 699

**PYRITES**  
Value of Cyprus's exports falls N 68  
Pyrites from Eire MM 180  
Pyrite mining in California MM 180  
Copper and pyrites at Avoca A 560  
Kazakhstan's pyrites resources MM 666

**PYROCHLORE**  
Pyrochlore in Africa N 38  
Nyasaland's uranium pyrochlore deposits MM 312  
Surveys of pyrochlore-bearing limestone MM 421

**QUARTZ**  
Madagascar's mineral resources A 250  
India's refractories industry A 254

**Big picro-quartz crystal from U.S.S.R.** MM 421

**QUICKSILVER**  
Quicksilver in Tunisia MM 103  
More quicksilver from Philippines MM 203  
Yugoslavia's mining and metal industries A 309  
(See also weekly notes under "Metals and Minerals")

**RARE EARTHS**  
Discovery of rare-earths in California MM 46  
Research on rare earths T 255  
Metals and Minerals MT 287

**ROCK CRYSTALS**  
Brazil's rising mineral exports N 145

**RUTILE**  
Coff's Harbour rutile company of New South Wales MM 76  
Has rutile grounded? MT 79

**SALT**  
Mining in some Far-Eastern countries A 224

**SCHEELITE**  
Brazil's rising mineral exports N 145  
Malayan production Jan-June 1958 MM 180  
Scheelite mine in Bass Strait MM 204  
Mining in New Zealand still at a low ebb N 559  
Geophysical survey of the Rye Park scheelite deposit, N.S.W. R 733

**SILLIMANITE**  
India's refractories industry A 254

**SILICON**  
Sodium silicates in non-metallic flotation T 283

**SILVER**  
Metals and minerals MT 364, 424, 450, 480  
Silver mine in northern Idaho MM 421

**SLATE**  
Mining in some Far-Eastern countries A 224

**STANNITE**  
Minerals research in Malaya A 664

**SULPHUR**  
Sicily's sulphur problems N 8  
Mining in the Grand Isle sulphur deposit A 74  
Mexican sulphur production in 1957 MM 127  
Sulphur properties in Mexico MM 153  
Pure sulphur from Polish ores MM 152  
The sulphur industry looks ahead A 221  
Mining in some Far-Eastern countries A 224  
East Germany takes Norwegian sulphur pyrites MM 534  
Soviet mining experts in Indonesia MM 726

**SULPHURIC ACID**  
Sulphuric acid in South Africa A 222

**TACONITE**  
Non-magnetic device for the beneficiation of taconite T 82

**TANTALUM**  
Extraction and recovery of some rarer metals A 12  
Metals and minerals MT 154, 206, 727  
U.S. research programme N 172  
Minerals research in Malaya A 664

**THORIUM**  
Research on uranium recovery The peaceful uses of atomic energy A 306  
The mining industry in South Korea A 333  
U.S. thorium mill MM 534

**TIN**  
Reassessing Malaya's tin lands Malaya's prosperity depends on tin A 41  
Tin from Penang MM 77  
Tin smelting plant in Thailand MM 77  
Billions look elsewhere N 144  
Frothing and collecting agents in tin ore dressing A 196  
Factors influencing flotation in tin ore dressing A 222  
Mining in some Far-Eastern countries A 225  
Tin royalty laws MM 227  
Restrictions on Russian tin N 245  
The Australian tin picture N 277  
Underground mineral resources of Brittany A 334  
Chinese automatic tiling concentrator MM 337  
Constructive thinking at Montreal N 356

**Has the buffer stock manager two personalities?** N 356  
Tin production in Japan MM 422  
Tin Certificates of production MM 447  
Malayan Tin Bureau MM 479  
Tin occurrences in the U.S.S.R. A 533  
Tin-coating cast iron T 568  
Drilling on the Maranboy tinfield MM 604  
The tin picture: Pahang's view MF 610  
Critical times for Bolivia A 630  
Minerals research in Malaya A 664  
Stabilization of commodity prices N 690  
Somaliand's mineral resources N 691  
Malayan diary A 694  
Better times in sight? N 717  
Geophysical survey of the Renison Bell tin field, Tasmania R 733  
(See also weekly notes under "Metals and Minerals")

**TITANIUM**  
Metals and minerals MT 48, 129, 229, 258, 395, 511, 608  
Titanium minerals near Port Elizabeth MM 152  
Survey in Ecuador MM 421  
Better times in sight? N 717

**TUNGSTEN**  
Extraction and recovery of some rarer metals A 12  
U.S. research programmes N 173  
Metals and minerals MT 205, 364, 481, 569  
Sintered tungsten carbide powders T 283  
The mining industry in South Korea A 332  
Underground mineral resources of Brittany A 334  
Selective crushing of French WO<sub>3</sub> ores T 568  
Production of tungsten carbide MM 638  
Better times in sight? N 717

**URANIUM**  
Uranium resources of Sweden MM 15  
Metals and minerals MT 18, 258, 340, 511, 639  
Rubber linings in uranium production A 43  
Canadian round-up A 75  
Uranium in Dominican Republic MM 76  
Uranium concentrate producers MM 76  
Notes on the geology of uranium R 86  
In search of uranium N 97  
Canada's mineral production may triple A 99  
Uranium in South Australia MM 103  
Research on uranium recovery A 122  
Uranium strike in Nevada MM 127  
Uranium in Montana MM 127  
Europe's nuclear industries N 145  
Raw materials for the nuclear industries N 171  
Canadian round-up C 178  
Uranium in search of markets MF 207  
Raml, Klerksdorp and O.F.S. go d and uranium producers MF 209  
Canadian uranium for Japan MM 227  
Mining in some Far-Eastern countries A 225  
Radiation hazards in uranium mines N 246  
Uranium deposits in Bulgaria MM 284  
Radioactive minerals in Mocambique MM 312  
The mining industry in South Korea A 333  
Uranium on the Labrador coast MM 337  
Canadian new ore-bearing zone MM 337  
Safety hazards in uranium mines A 386  
Malaya's uranium MM 393  
Making uranium mining safe A 415  
Columbia to produce uranium MM 421  
World uranium resources A 442  
Mary Kathleen officially opened A 470  
Potential uranium producing countries A 473  
Developing the Elliot Lake mining field A 530  
Discoveries of uranium in Mexico MM 534  
Mining New Zealand still at a low ebb N 559  
Uranium find in Pakistan MM 566  
Uranium discovery in Victoria MM 567  
Concentration of uranium minerals T 568  
Greenland not to mine uranium MM 604  
Mining in French Equatorial Africa MM 604  
South African Gold and uranium producers MR 611  
Uranium production in Australia N 629  
Uranium prospecting in Portugal and France A 633  
Western Australia's search for metals A 693  
The search for more uranium A 695



Russians visit Canadian uranium mines	MM 699
Better times in sight?	N 717
<b>VANADIUM</b>	
Research on vanadium	MM 311
<b>VERMICULITE</b>	
Transvaal Ore Company	MM 479
Vermiculite firewalls in deep mines	T 637
<b>WOLFRAM</b>	
Wolfram still cheaper	MT 79
Brazil's rising mineral exports	N 145
Malayan production Jan-June 1958	MM 180
(See also weekly notes under "Metals and Minerals")	

<b>ZINC</b>	
New Soviet zinc process	T 16
U.S. minerals programme	T 18
International agreements for copper, lead and zinc?	N 37
China might buy Australian zinc	MM 46
Spanish zinc surcharge	MM 76
Zinc in U.S.A.	MM 77
Canada's mineral production may triple	A 99
Canadian round-up	C 178
Lead-zinc mine in Yugoslavia	MM 180
Lead-zinc ore deposits at Pristina	MM 203
Yugoslavia's new lead-zinc producer	A 198
"The lead-zinc deposits of the Black Forest"	R 209

Russian process for zinc recovery	T 255
Indium from zinc slag	T 283
Mining in Bulgaria	A 282
New Peruvian smelter project	MM 312
Lead and zinc from Carinthia	MM 312
A deplorable measure	N 328
Poor week for base metals	MF 342
Brighter prospects for metals	N 357
Mining output in Bulgaria	N 357
Zinc Development Association	R 486
Bulgaria's output of lead and zinc	MM 510
New zinc process	T 568
Denmark owns Greenland's lead and zinc	MM 604
Mineral discoveries in Mexico	N 629
Finnish ore discoveries	MM 638

The Zletovo lead and zinc mines	A 663
Bolivian exports	MT 668
Stabilization of commodity prices	N 689
Better times in sight?	N 717
(See also weekly notes under "Metals and Minerals")	
<b>ZIRCON</b>	
India's refractories industry	A 254
Recession and progress in Ceylon	A 529
<b>ZIRCONIUM</b>	
Metals and minerals	MT 49
U.S. research programmes	N 172

## Countries

<b>ABYSSINIA</b>	
New mining concessionaires in Ethiopia	MM 257
<b>AFGANISTAN</b>	
Mining in some Far-Eastern countries	A 224
<b>ANGOLA</b>	
Iron ore from Angola	MM 204
Phosphate deposits in Angola	MM 638
Exports of iron ore from Angola	MM 699
<b>ARGENTINE</b>	
French group interests in Argentina	MM 103
Increasing coal output at Rio Turbio	MM 284
French engineer for Argentine Rio Turbio coal mines in Argentina	MM 447
<b>AUSTRALIA</b>	
The golden mile	MM 15
Reduced production from Port Pirie plant	MM 15
Australia's changed outlook to prospecting	N 38
Great Boulder's haulage improvement work	MM 46
Colli's Harbour Rutile N.L. of N.S.W.	MM 76
Australian coking coal for Japan	MM 76
Prospecting for zinc in Australia	MM 77
Uranium in South Australia	A 103
Supervision of mining operations	A 126
Bauxite deposits in Western Australia	MM 127
Labour problems at Broken Hill	A 130
The Commonwealth's mica	A 177
Prospecting in Western Australia	MM 180
Expansion at Mount Isa	MM 181
Australian coking coal	MM 203
Scheelite mine in Bass Strait	MM 204
Mount Isa mines and nuclear power	N 194
Current aspects of Australian coal mining	A 220
New Australian barytes treatment plant	A 250
Prospecting for diamonds	MM 257
The Australian tin picture	N 277
Electrification of the Kalgoolie Mines	MM 284
Australian black coal shines	N 304
Statistical Register of Western Australia	R 372
Investigating silver-lead-zinc prospects in Australia	MM 422
Tin	A 428
World uranium resources	A 442
Prospecting at Tennant Creek	N 469
Mary Kathleen officially opened	A 470
The Cambrian Geology of Australia	R 488
Geology of the Phillips River Goldfield, Western Australia	R 488
Uranium discovery in Victoria	MM 567
Australian natural gas	N 597
Drilling on the Maranboy tin-field	MM 604
Uranium production in Australia	N 629
Aluminium at Bell Bay, Tasmania	MM 638
Western Australia's search for metals	N 693
Commonwealth Aluminium (Pty)	MM 725
Chemical Engineering and Mining Review	MM 725
Geophysical survey of the Rye Park Scheelite deposit	R 733
<b>AUSTRIA</b>	
Austria's coal output	MM 153
Lead and zinc from Carinthia	MM 312
Austria taxing coal imports	MM 393
Austrian magnesite output	MM 421
Austria to import coal	MM 478

<b>BECHUANALAND</b>	
Coal exploration records of boreholes	R 232
Manganese from Bechuanaland	MM 447
New concession for R.S.T.?	FN 730
<b>BELGIUM</b>	
The Liège Coal Preparation Congress	A 44, 72
British continuous rotary vacuum filter for Belgium	MM 227
Belgium pits to close	MM 337
European coal problems	N 357
Six more Belgian coal pits close	MM 421
Belgian pits to close	MM 478
International Congress of Industrial Chemistry	MM 605
<b>BELGIAN CONGO</b>	
Congo coal	N 9
Manganese ore in the Belgian Congo	MM 15
Geological surveys south of the Sahara	MM 15
Supervision of mining operations	A 125
Association of African Geological Surveys	MM 181
Possible mining companies' merger in Ruanda Urundi	MM 478
Cassiterite in Belgian Congo	MM 699
<b>BOLIVIA</b>	
Gold dredging in Bolivia	MM 77
Contracts and tenders	MM 103
Bolivian national mining loss	MM 203
Re-deployment of surplus labour	MM 203
American advisory team to continue	MM 203
Bolivian mining code	MM 227, 393
Gold dredging	MM 394
Critical times for Bolivia	A 630
Exports from Bolivia	MM 700
<b>BRAZIL</b>	
Brazil's rising mineral exports	N 145
Mining taxation	A 176
Brazilian beryl	N 277
Copper plant project for Brazil	MM 393
Trade agreement between Czechoslovakia and Brazil	MM 421
Decline in Brazilian mica	MM 421
100,000 tons of sponge iron from Brazil	MM 421
Large programme of expansion in Brazil	MM 605
<b>BRITISH BORNEO</b>	
Mining in some Far-Eastern countries	A 224
<b>BRITISH GUIANA</b>	
British Guiana's diamond resources	A 388
A new diamond-cutting plant in British Guiana	MM 421
British Guiana	MM 421
<b>BRITISH SOLOMON ISLANDS</b>	
Geological exploration in the Solomons	N 500
<b>BULGARIA</b>	
Uranium deposits in Bulgaria	MM 284
Mining in Bulgaria	N 357
Mining output in Bulgaria	N 357
Bulgaria's output of lead and zinc	MM 509
<b>BURMA</b>	
Attack on Mawchi Mine	MM 76
Prospecting rights and mining leases	A 282
Coal resources in Burma	MM 103
Supervision of mining operations	A 125
Mining taxation	A 175
Contracts and tenders	MM 447
<b>CAMBODIA</b>	
Prospecting rights and mining leases	A 98
Contracts and tenders	MM 204

Mining in some Far-Eastern countries	A 224
<b>CAMEROONS</b>	
Gold in the French Cameroons	MM 284
<b>CANADA</b>	
British Columbia's centenary	A 14
Highland Valley iron and copper	MM 15
Coal in Nova Scotia	MM 15
Coal in Canadian metallurgy	T 16
Canadian round-up	A 75
Geochanical investigation	R 86
Canada's mineral production may triple	A 99
Continental Mining Exploration	MM 103
Consolidated Mining & Smelting Co. of Canada	MM 103
Guide to the Canadian market	N 120
Supervision of mining operations	A 126
Gold in Ontario	M 127
Surveying Craigmont nickel area	MM 127
Asbestos mining in Quebec	MM 127
Canadian coal	N 145
Ungava nickel belt	MM 152
Canadian copper mines	MM 152
Miners' licences	MM 152
Mining taxation	A 176
The Commonwealth's mica	A 177
Canadian round-up	C 178
Iron ore from Canada	MM 203
Drilling for copper	MM 203
Contracts and tenders	MM 204
Prevention of silicosis	MM 227
New copper discovery in Canada	MM 227
Forging ahead in 1957	R 232
Industrial minerals of Newfoundland	R 232
New small prospecting kit	MM 257
New Hoco Mines	MM 257
Newfoundland copper	MM 284
New Canadian processes for low-grade iron ores	A 280
Soil analysis in geochemical prospecting	A 307
Drilling in the Pickle Lake area	MM 311
Nickel at Timmins	MM 311
Iron finds in Canada	MM 311
Consolidated Fenimore Iron Mines	MM 311
Department of Mines & Technical Surveys	MM 312
Canadian new ore-bearing zone	MM 337
New iron ore resources in Canada	MM 366
It still depends on the geologist	N 383
Selling British mining machinery	A 389
Potash in Canada	MM 393
Strategic U.D.Y. process for direct reduction of iron ore	MM 393
British Newfoundland Corporation	MM 393
A promising new gold find in St. Lawrence River mines	MM 422
Another Canadian mining giant	N 441
World uranium resources	A 442
Steep Rock's Hogarth shaft	A 444
Noranda Explorations	MM 447
Tungsten carbide bits for Canada	MM 447
Germanium in British Columbia	MM 478
The Glove and Mail	MM 479
The world's most highly mechanized Stock Exchange	MF 482
The story of Elliot Lake	A 502
Classes for prospectors	MM 509
A geological map of the Yukon Territory	R 516
Canada needs more geological studies	N 528
Developing the Elliot Lake mining field	A 530
Granduc Mines discontinue copper working	MM 566
Canadian gold glitter again	N 595
Chibougamau Goldfield	MM 604
Canadian Copper Syndicate	MM 604
Canadian Stock Exchange may merge	P 614

Canadian Mines Handbook	R 614
Detailed low-level prospecting	A 633
Canada's sub-arctic nickel mine	A 634
Mining claims in Chibougamau	MM 666
Canadian Copper & Brass Development Association	MM 666
Russians visit Canadian uranium mines	MM 699
Canadian Mining Manual	MM 700
Aluminium Centre	MM 700
Better times in sight?	N 719
Canada 1958	R 733
<b>CENTRAL AFRICAN FEDERATION</b>	
Uses of processed copper	MM 393
Back to work on the Copper-belt	N 499
Oil from coal	MM 534
<b>CEYLON</b>	
Prospecting rights and mining leases	A 98
Supervision of mining operations	A 125
Mining taxation	A 175
Kaolin in Ceylon	MM 180
Gemstones in Ceylon	MM 203
Boring for iron in Ceylon	MM 203
Hard times for Ceylon graphite	N 219
Working Group on atomic energy	MM 312
Contracts and tenders	MM 447, 638
Recession—and progress in Ceylon	A 529
Report on the use of Chinese coal	MM 566
Ceylon to exploit kaolin deposits	MM 605
<b>CHILE</b>	
Markets for Chilean copper	N 8
Focus on New Delhi	N 384
Mineral discoveries in Chile	MM 422
Japanese iron interests in Chile	MM 479
Franco-Chilean copper	MM 510
General Electric locomotives	MM 605
Chile to prospect for coal	MM 638
Chilean iron ore for Japan	MM 638
Japanese to exploit Chilean iron ore	MM 667
<b>CHINA</b>	
Chinese copper from scrap	MM 76
Commodities Fair	MM 77
Prospecting rights and mining leases	A 98
Report of copper in Chekiang	MM 103
China's coal plans	N 121
Supervision of mining operations	A 125
Russia's economic offensive	N 143
Mineral deposits in China	M 152
Mining taxation	A 175
China's ore deposits	MM 203
Chinese mineral reserves	MM 203
Aid to China by U.S.S.R.	MM 203
More freedom for east-west trade	N 194
Mining in some Far-Eastern countries	A 224
Coal reserves in China	MM 284
Mineral discoveries in China	MM 284
Chinese automatic tilting concentrator	MM 337
Mechanization in Chinese coal pits	MM 337
Bauxite deposits in China	MM 366
Chinese copper ore	MM 366
China to introduce hydraulic mining	MM 366
Trade pact in Peking	MM 393
Dust in Chinese coal	MM 394
China's iron ore reserves	MM 510
Report on the use of Chinese coal	MM 566
First modern coal mine in China	MM 638
<b>COLOMBIA</b>	
Coal deposits in Colombia	MM 180
Magnetism in Colombia	MM 312
Coal mining in El Cerrejon	MM 312
Colombia to produce uranium	MM 421

Colombian coal .. MM 478	Greece seeking West German assistance .. MM 284	Iran .. N 559	New mineral discoveries .. MM 180
Colombia to exploit coal at Cali .. MM 725	Germany's shop window .. N 328	Technical assistance for Iran .. N 559	The sulphur industry looks ahead .. A 221
<b>CUBA</b>	Seventy year iron ore concession .. MM 337	<b>ISRAEL</b> .. N 247	Focus on New Delhi .. N 384
The sulphur industry looks ahead .. A 221	Ruhr coal industry's proposals .. MM 337	Phosphates and potash in Israel .. N 247	Discoveries of uranium in Mexico .. MM 534
Nickel plant in Cuba .. MM 284	European coal problems .. N 357	Exploitation of Israel's mineral resources .. N 597	Mineral discoveries in Mexico .. N 629
Manganese deposits of Cuba .. A 561	West Germany's coal crisis .. MM 447	Exports of Israeli potash .. MM 699	<b>MOROCCO</b>
National Bank of Cuba .. MM 604	The Eastern Exhibition, 1958 .. ME 476	Copper works at Timna .. MM 699	Contracts and tenders .. MM 204
<b>CYPRUS</b>	Coal situation worsens .. N 501	<b>ITALY</b> .. N 8	Moroccan beryl mine closed .. MM 638
Value of Cyprus's exports fall .. N 68	Nyaaland iron ore on trial .. A 504	Sicily's sulphur problems .. N 8	<b>MOZAMBIQUE</b>
<b>CZECHOSLOVAKIA</b>	East Germany take Norwegian sulphur pyrites .. MM 534	<b>JAMAICA</b>	Radioactive minerals in Mocambique .. MM 312
Coal record .. MM 76	Copper deposit in East Germany .. MM 638	Aluminium from Norway to Canada .. MM 421	<b>NEPAL</b>
Mining halloysite .. MM 284	<b>GHANA</b>	<b>JAPAN</b> .. N 39	Nepal's industrial policy .. N 172
A new brown coal .. MM 509	Ghana's green light for golds .. MF 50	Japanese strike ends .. N 39	Mining in some Far-Eastern countries .. A 225
International Trade Fair in Czechoslovakia .. A 694	Ore skips for Ashanti .. M 152	Japan may buy coking coal from Australia .. MM 46	<b>NEW GUINEA</b>
<b>DENMARK</b>	Ghana Minerals Corporation .. MM 604	Japan to import Russian turbo-drills .. MM 46	Netherlands New Guinea .. MM 421
Potash from oil borings in Jutland .. MM 203	And now aluminium .. N 627	Australian coking coal for Japan .. MM 76	Gold strike in New Guinea .. MM 725
Danish consumption of lignite .. MM 227	American experts visit Ghana .. MM 638	Prospecting rights and mining leases .. A 98	<b>NEW ZEALAND</b>
Imports of coke into Denmark .. MM 337	Without comment .. N 507	Alaskan coal for Japan .. MM 103	Steel possibility in New Zealand .. MM 76
Search for oil in Denmark .. MM 421	Camp Bird drops Ghana .. MF 657	Supervision of mining operations .. A 125	An experimental furnace .. MM 203
Denmark owns Greenland's lead and zinc .. MM 604	<b>GREECE</b>	Mining taxation .. A 175	New Zealand iron and steel industry .. MM 257
<b>DOMINICAN REPUBLIC</b>	Larymna mine to close .. MM 180	Canadian uranium for Japan .. MM 227	Mining in New Zealand still at a low ebb .. N 559
Uranium in Dominican Republic .. MM 76	Drop in Greek mineral exports .. MM 203	Third Japanese research reactor .. MM 227	Joint New Zealand-Japanese exploitation of coking coal .. MM 566
Dominican iron ore .. MM 76	Greece seeking West German assistance .. MM 284	Indian iron ore for Japan .. MM 366	New Zealand gold mining claim .. MM 725
Harbour facilities of Enriquilla .. MM 566	Larymna Mining Company .. MM 638	Tin production in Japan .. MM 422	<b>NIGERIA</b>
Japanese mining engineers in Dominican Republic .. MM 725	<b>GREENLAND</b>	Malaya's ore potential for Japan .. MM 447	Geology of parts of Niger .. R 55
<b>ECUADOR</b>	Transit harbour in Greenland .. MM 227	Potential uranium-producing countries .. A 473	Nigerian iron ore and coal .. MM 257
Survey in Ecuador .. MM 421	Greenland not to mine .. MM 604	Japanese iron interests in Chile .. MM 479	Barytes in Nigeria .. MM 604
<b>EGYPT</b>	lead and zinc .. MM 604	Joint New Zealand-Japanese exploitation of coking coal .. MM 566	<b>NORTHERN RHODESIA</b>
Supervision of mining operations .. A 126	<b>HOLLAND</b>	New classifications .. T 637	Pyrochlore in Africa .. N 38
Potential uranium producing countries .. A 473	Dutch coal mines .. MM 76	Chilean iron ore for Japan .. MM 638	Northern Rhodesian Department of Geological Surveys .. MM 46
<b>EIRE</b>	International Autumn Trade Fair .. MM 227	Japanese team prospecting in Peru .. MM 666	Northern Rhodesian copper project .. M 105
Copper mines in Eire .. MM 77	Earth moving by dredger .. M 665	Japanese to exploit Chilean iron ore .. MM 667	The Economics of Copperbelt labour relations .. N 119
Pyrites from Eire .. MM 180	<b>HONG KONG</b>	<b>KENYA</b>	The Commonwealth's mica .. A 177
Eire's coal output rises .. N 195	Prospecting rights and mining leases .. A 98	Overseas Geology and mineral resources .. R 428	Kilwe centre of the Copperbelt .. MM 181
Oil survey in Eire .. MM 421	Supervision of mining operations .. A 125	Graphite production in Kenya .. A 720	Jobs in dispute .. N 194
Eire shows the way .. N 439	Mining taxation .. A 175	<b>KOREA</b>	An investment in future citizens .. N 218
Eire's new copper mine .. A 446	Mining in some Far-Eastern countries .. A 225	Prospecting rights and mining leases .. A 98	Boneheadedness on the Copperbelt .. N 275
Contracts and tenders .. MM 479	<b>HUNGARY</b>	Supervision of mining operations .. A 125	Surveys of pyrochlore-bearing limestone .. MM 421
Copper and pyrites at Avoca .. A 560	Precious metals mined in Hungary .. MM 153	Mining taxation .. A 175	Development of the Copperbelt .. N 468
Mining methods at Avoca .. A 600	The Hungarian coal industry .. N 173	The mining industry in Southern Korea .. A 332	Back to work on the Copperbelt .. MM 399
Coal prospecting survey .. MM 604	Aluminium in the Soviet Union .. C 200	Trade pact in Peking .. MM 393	Kariba Dam .. N 557
Irish coal mine for sale .. MM 604	Hungarian coal loader .. M 697	Contracts and tenders .. MM 447, 510, 534	<b>NORWAY</b>
Mining & Geological Association for Eire .. MM 699	<b>ICELAND</b>	<b>LAOS</b>	Iron from Norway .. MM 227
Mineral exploration in Eire .. MM 699	Boreholes in Reykjavik .. MM 227	Supervision of mining operations .. A 125	Norwegian aluminium .. MM 227
Better times in sight? .. N 719	<b>INDIA</b>	Contracts and tenders .. MM 204	Norwegian aluminium for Canada .. MM 311
<b>FIJI</b>	U.S. Asian Economic Development Fund .. MM 46	Laotian development plan .. MM 604	New ferrochrome ovens in Norway .. MM 421
Fiji's mineral resources .. N 246	Prospecting rights and mining leases .. A 98	<b>LIBERIA</b>	Norwegian export of ferrochrome .. MM 421
Gold from Fiji mines .. MM 284	Mica and gold in India .. MM 103	Diamond mines in Liberia .. MM 77	Coking coal from Norway .. MM 421
<b>FINLAND</b>	Contracts and tenders .. MM 103, 128, 204, 228, 285, 337, 422	Liberian iron ore .. MM 180	Rana iron works .. MM 421
Mining in Finland .. MM 15	India's new mineral laws .. N 121	Seventy year iron ore concession .. MM 337	Aluminium from Norway to Canada .. MM 421
Iron ore plant in north-west Finland .. MM 203	Kolar goldfields .. N 121	Liberia's diamond laws .. A 506	Coal shipments from Norway .. MM 534
Combined rock and service mine hoist in Finland .. A 252	Supervision of mining operations .. A 125	<b>LIBYA</b> .. MM 180	News of Norwegian coal and iron .. MM 604
Iron ore to be mined in Lapland .. MM 366	Eastern Metals Review .. R 133	<b>MADAGASCAR</b>	<b>NYASALAND</b>
New nickel mine in Finland .. MM 478	Power for the Damodar Valley .. N 144	Madagascar's mineral resources .. A 248	Iron ore from Mindale mine .. MM 180
Kotalahi nickel mine in Finland .. MM 604	Mining taxation .. A 175	Graphite and mica in Madagascar .. A 248	Nyaaland's uranium pyrochlore deposits .. MM 312
Finnish ore discoveries .. MM 638	The Commonwealth's mica .. A 177	Ranomafana chrome ore deposits .. MM 534	Nyaaland iron ore on trial .. A 504
Nickel in Finland .. MM 725	India's metal imports .. MM 180	<b>MALAYA</b> .. N 9	Northern Nyaaland .. MM 509
<b>FORMOSA</b>	Mining at Uttar Pradesh, India .. MM 180	Reassessing Malaya's tin lands .. N 9	Government prospecting in Nyaaland .. MM 699
Contracts and Tenders .. MM 15, 285, 394, 534, 667	Mining in some Far-Eastern countries .. A 225	Malaya's prosperity depends on tin .. A 41	<b>PAKISTAN</b>
<b>FRANCE</b>	New coal areas in India .. MM 227	Tin from Penang .. MM 77	Atomic energy commission of Pakistan .. MM 47
French steel industry .. MM 77	Indian copper's tax cushion .. FN 232	Prospecting rights and mining leases .. A 98	Iron prospecting rights and mining leases .. A 98
French group .. MM 103	Indian iron ore exports .. N 247	Supervision of mining operations .. A 125	Mineral development corporations .. MM 103
Europe's nuclear industries .. M 145	India's refractories industry .. A 254	Malayan production Jan-June, 1958 .. MM 180	Mining taxation .. A 175
Iron ore mined in France .. MM 152	Polish experts for Indian mines .. MM 257	Malaya's uranium .. MM 313	Pakistan grants tax concessions .. N 329
Raw materials for the nuclear industries .. N 172	Cess on exports of manganese .. MM 311	New sea dredge .. MM 393	Tax concessions for exploration in Pakistan .. MM 422
Underground mining resources of Brittany .. A 334	Indian iron ore for Japan .. MM 366	Tromoh lifts emergency restrictions .. MM 394	Uranium find in Pakistan .. MM 566
Editions Sopel of Paris .. MM 337	Focus on New Delhi .. N 384	Malayan marble industry .. MM 421	Iron ore from Pakistan ore .. A 599
French engineer for Argentine .. MM 366	Mica in India .. MM 393	Malaya's ore potential for Japan .. MM 447	Converting peat into coke .. MM 604
Permit for exploration in the Vosges .. MM 422	Mining conditions in the Neiveli lignite project .. A 417	Certificates of production .. MM 447	Technical adviser for Pakistan .. MM 638
World uranium resources .. A 442	Prospecting for coal by drilling .. MM 421	Minerals research in Malaya .. A 664	Magnetite deposits in Pakistan .. MM 666
Franco-Chilean copper .. MM 510	Export of iron ore from India .. A 469	Lead priority for mining in Malaya .. N 691	<b>PERU</b>
Uranium prospecting in Portugal and France .. A 635	How much better is a pound of zinc? .. N 528	Malayan diary .. A 694	Mining taxation .. A 176
<b>FRENCH AFRICA</b>	Proved reserves of Indian coal .. MM 534	<b>MAURETANIA</b>	New Peruvian smelter project .. MM 312
Mining Engineering College .. MM 203	Indian ferro-manganese plant .. MM 566	Exploration in Mauretania .. MM 257	Port of Callao .. MM 337
Aluminium phosphate in French West Africa .. MM 203	New iron mine in Orissa .. MM 566	New railway .. MM 699	Conveyor for Peru .. MM 566
Mineral products from Senegal .. MM 203	Reappraisal of India's five-year plan .. N 597	<b>MEXICO</b>	Japanese team prospecting in Peru .. MM 666
Ilmenite production in French West Africa .. MM 203	Petrology of Indian coals .. R 646	Supervision of mining operations .. A 126	<b>PHILIPPINES</b>
<b>FRENCH EQUATORIAL AFRICA</b>	Gold field in Madras State .. MM 725	Mexican sulphur production in 1957 .. MM 127	New copper mill in the Philippines .. MM 46
Mining in French Equatorial Africa .. MM 604	<b>INDONESIA</b>	Sulphur properties in Mexico .. MM 153	Prospecting rights and mining leases .. A 98
<b>GERMANY</b>	Prospecting rights and mining leases .. A 98	Mining taxation .. A 176	Supervision of mining operations .. A 125
Unsold coal at Duisburg .. MM 203	Supervision of mining operations .. A 125		
"The Lead-Zinc ore deposits of the Black Forest" .. R 209	Billiton looks elsewhere .. A 144		
Excessive stocks of coal .. N 219	Gold mines in Java .. MM 152		
	Mining taxation .. A 175		
	Indonesian mining concessions .. MM 604		
	Mineral finds in Indonesia .. MM 725		
	Soviet mining experts in Indonesia .. MM 725		



Mining taxation .....	A 175	Sulphuric acid in South Africa .....	A 222	TRINIDAD		Car loading chutes in high	
More quicksilver from Philip-		Economic developments in		Trinidad to start mining .....	MM 16	speed haulage .....	M 697
pinas .....	MM 203	Africa 1956-57 .....	R 263	TUNISIA		Better times in sight? .....	N 717
Surigao nickel deposits .....	MM 284	Dr. Verwoerd and foreign		Quicksilver in Tunisia .....	MM 103	Iron ore supplies for the U.S.	
Mineral ore in the southern		capital .....	MF 289			steel industry .....	A 724
Philippines .....	MM 421	South African diamond	MM 284	TURKEY		U.S.S.R.	
Copper metal from the Philip-		Recent developments at South		Turkish borax deposit .....	MM 393	New Soviet zinc process .....	T 16
pinas .....	MM 478	African collieries .....	A 333	Turkish coal production .....	MM 699	Japan to import Russian turbo-	
POLAND		World uranium resources .....	A 442	New Turkish copper plant .....	MM 699	drills .....	MM 46
International Scientific &		South African high speed shaft		UGANDA		Russia's advance in steel pro-	
Technical Conference .....	MM 77	sinking in Britain .....	A 474	Phosphates in Uganda .....	MM 15	duction .....	A 73
Hydraulic stoving in Polish coal		South African stores .....	MM 478	Power plant at Kikagati .....	MM 77	Ukraine manganese ore mine	
mines .....	A 146	South African and Rhodesian		URUGUAY		Copper ore deposits at Vol-	
Pure sulphur from Polish ore		coal output for July-Sept.		German geologists to examine		kovak .....	MM 77
Polish colliery exhibition .....	MM 153	1958 .....	MR 545	manganese in Uruguay .....	MM 667	Thermal drilling in Russia .....	MM 78
Aluminium in Poland .....	MM 203	South African gold and uranium		U.S.A.		Trade with the Communist	
Copper deposit in Poland .....	MM 203	producers .....	MF 611	Mechanized mining at the		world .....	N 96
Polish experts for Indian mines		Rich South African deposit of		Railton Mine, U.S. .....	A 10	Russia's economic offensive .....	N 143
MM 257		bentonite .....	MM 638	U.S. minerals programme .....	MT 18	Russian steel matches on	
International Congress on Re-		Rand dividend season opens		U.S. investigations .....	MT 18	Aid to China by U.S.S.R. .....	MM 203
construction and Develop-		South African kaolin deposits		No gold in them thar hills!	N 39	More freedom for east-west	
ment of new mines .....	MM 257	MM 699		U.S. domestic minerals explora-		trade .....	N 193
Safety in Polish mines .....	A 418	More Kaffir dividends .....	MF 729	tion programme .....	MM 46	Aluminium in the Soviet Union	
Polish coal conference .....	MM 567	SOUTHERN RHODESIA		New research facilities .....	MM 46	C 199	
Polish power cut .....	MM 699	Oil from coal industry in		Sulphur surface deposit .....	MM 46	Restrictions on Russian tin	
Polish "men's" day .....	MM 725	Southern Rhodesia .....	MM 103	Discovery of rare-earth in Cali-		N 245	
Copper .....	MM 725	The Commonwealth's mica .....	A 177	formia .....	MM 47	Development of Siberia's re-	
PORTUGAL		Copper Development Associa-		Mining the Grand Isle sulphur		sources .....	N 247
Pig iron in Portugal .....	MM 422	tion .....	MM 447	deposit, U.S. .....	A 74	Donbas coal cutter .....	MM 284
Uranium prospecting in Portu-		South African and Rhodesian		Prospecting in Maine .....	MM 76	U.S.S.R. coal output .....	MM 312
gal and France .....	A 635	quarterly coal outputs .....	MM 210, 545	Uranium concentrate producers	MM 76	Has the buffer stock manager	
PORTUGUESE EAST AFRICA		Aluminium sulphate plant .....	MM 566	Seaton plan under fire .....	MT 79	two personalities? .....	N 357
Portuguese East Africa .....	MM 605	Closing of Sun Yat Sen mine	MM 567	Nickel and its alloys .....	R 86	Automation in mining .....	MM 392
PORTUGUESE WEST AFRICA		Emeralds from Southern Rhode-		Alaskan coal for Japan .....	MM 103	New Russian lead deposits .....	MM 393
Increase in export of minerals		sia .....	MM 699	Uranium strike in Nevada .....	MM 127	Radio screening of ore beds .....	T 419
MM 312		British firm builds Lonrho		Beryllium mill at Colorado	MM 127	Big piezo-quartz crystal from	
Manganese in Portuguese West		House .....	MM 699	American Bureau of Metal		U.S.S.R. .....	MM 421
Africa .....	MM 666	Chrome in Southern Rhodesia	MM 699	Statistics .....	R 133	Blast furnace in the U.S.S.R.	
SARAWAK		SOUTH WEST AFRICA		Examination of hafnium lead		Progress of the B.S.I. .....	MM 441
Prospecting rights and mining		Uis Tin Mining Co. .....	MM 447	prospect, Alaska .....	MM 153	Russia's metal and mineral	
leases .....	A 99	SPAIN		U.S. research programmes .....	N 172	exports .....	MT 450
Supervision of mining opera-		Spanish zinc surcharge .....	MM 76	Iron from Idaho .....	MM 180	Mining with radio .....	MM 449
tions .....	A 125	Radioactive minerals in Spain	MM 180	Laboratory office structure near		Diamond industry in the	
Mining taxation .....	A 175	Contracts and tenders .....	MM 204	Pittsburgh .....	MM 180	U.S.S.R. .....	MM 478
SAAR		Aluminium plant in the Vigo		Static .....	MM 181	A copper deposit in the Urals	
Loading of bauxite ore .....	MM 422	Free Zone .....	MM 422	Must there be booms and		Russian bauxite and coal .....	MM 478
SICILY		Potential uranium-producing		slumps? .....	N 217	New iron ore deposits in the	
Sicily's sulphur problems .....	N 8	countries .....	A 473	Pipeline transportation		Ukraine .....	MM 478
Mineral prospecting in Sicily		SUMATRA		ahead .....	A 222	A gold nugget from Siberia	
MM 285		Oil prospecting in North Suma-		"a Manveyor" a conveyor		Tin occurrences in the U.S.S.R.	
SIERRA LEONE		tra .....	MM 422	belt for people .....	MM 227	A 583	
A new diamond swamp .....	MM 15	SWEDEN		Commodity Exchange Incor-		Russia's seven-year plan .....	N 558
Workers in Sierra Leone .....	MM 15	Uranium resources of Sweden	MM 15	porated .....	MM 257	Sulphur coking coal in Russia	
Geological survey of the Sahara		Swedish steel centenary .....	MM 76	Novel eye-safety programme .....	MM 311	Kazakhstan's copper output	
Prospecting for titanium in		Swedish Lead Co. .....	MM 77	Dredge moving in Alaska .....	MM 311	MM 666	
Sierra Leone .....	MM 152	Conveyor for new Swedish		A deplorable measure .....	N 328	Siberian iron ore deposits .....	MM 699
No further iron prospecting in		steelworks .....	M 256	First user of St. Lawrence pro-		Russians visit Canadian ura-	
Sierra Leone .....	MM 478	Electromagnetic prospecting in		ject .....	MM 337	nium mines .....	MM 699
Iron ore in Sierra Leone .....	MM 638	Sweden .....	A 598	U.S. national stockpile .....	MM 337	VENEZUELA	
SOMALILAND		Bearings in ore mine winders	M 607	Brighter prospects for metals		Venezuelan aluminium .....	MM 311
Somaliland's mineral resources		Production of tungsten carbide	MM 638	Water control at Utah mine .....	A 358	Iron ore from Venezuela .....	MM 312
N 691		Swedish electric equipment for	MM 699	Gold dredging .....	MM 394	Electrical pig iron furnaces .....	MM 421
Rand and O.F.S. monthly gold		Guinea .....	MM 699	Silver mine in northern Idaho	MM 421	Aluminium plant in Guayana	
mine returns .....	MR 52, 185, 290, 428, 544, 707	SWITZERLAND		Economic utilisation of U.S.		MM 604	
South Africa Electrical Year		The Atomic Energy Conference	A 228	manganese .....	N 440	Narical coal mines in Vene-	
Book .....	R 55	TANGANYIKA		World uranium resources .....	A 442	zuela .....	MM 605
South Africa's improving in-		Pilot plant for niobium extrac-		Nightmare on wheels .....	N 468	VIETNAM	
vestment climate .....	N 68	tion at Panda Hill .....	A 40	Limestone mining in California		Prospector rights and mining	
Geology of East Satepang and		The Commonwealth's mica .....	A 177	Eagle-Picher Co. to reopen		leases .....	A 99
Louvel .....	R 86	Geological mapping the key to		smelter .....	MM 479	Supervision of mining opera-	
Contracts and Tenders .....	MM 103, 285	mineral wealth .....	A 445	Great Lakes iron ore fleets	MM 509	tions .....	A 125
No big scheme for marginal		TASMANIA		How much butter is a pound of		Coal mines at Nong-Son .....	MM 203
golds .....	MF 109	Tasmanian nickel deposit .....	MM 393	zinc? .....	N 527	Contracts and tenders .....	MM 204, 422
Analysis of Rand and O.F.S.		Geophysical Survey of the		U.S. thorium mill .....	MM 534	Mining in some Far-Eastern	
Quartermen Supp. Aug. 1 & Oct. 31		Renison Bell tin field .....	R 733	Projects Gnome and Plowshare		countries .....	A 225
Titanium minerals near Port		THAILAND		Moondraw Ho! .....	N 596	Coal mining in South Vietnam	
Elizabeth .....	MM 152	Tin smelting plant in Thailand	MM 77	Novel plant to produce		WEST AFRICA	
The Commonwealth's mica .....	A 177	Prospecting rights and mining		molybdenum .....	MM 604	Iron from Sierra Leone .....	MM 180
Otavi mines and railway com-		leases .....	A 99	And now aluminium .....	N 628	West African quarterly gold	
pany .....	MM 203	Supervision of mining opera-		Wall Street and the equity		production .....	MR 210, 545
Uranium in search of markets		tions .....	A 125	standard .....	MF 641	YUGOSLAVIA	
Rand, Klerksdorp and O.F.S.		Mining taxation .....	A 175	The U.S. bargain .....	N 653	Lead-zinc mine in Yugoslavia	
production and uranium producers		Thailand's iron ore deposits .....	MM 180	Texas copper production .....	MM 665	MM 180	
MF 209		Tin royalty law .....	MM 227	U.S. miners press claims .....	A 696	Lead-zinc ore deposits at Pristina	
South African and Rhodesian		Contracts and tenders .....	MM 312	Display of mining equipment .....	M 310	Yugoslavia's new lead-zinc	
coal output for April-June						producer .....	A 198
1958 .....	MR 210					Yugoslav lead exports .....	MM 284

## Methods and Machines

Colour aerial survey .....	M 17	W. Australia's search for metals	A 693	Working group on atomic		Display of mining equipment .....	M 310
Two-plane electromagnetic sys-		AIR TRANSPORTATION		energy .....	MM 312	Oil from coal .....	MM 534
tem .....	M 78	Flying for mining .....	A 420	World uranium resources .....	A 442	Radioisotopes help under-	
In search of uranium .....	N 97	ATOMIC ENERGY		Projects Gnome and Plowshare		ground gas scheme .....	A 721
New aerial geophysical service		Europe's nuclear industries .....	N 145	Locating radioactive sources .....	M 636	COMPRESSORS	
Research on rare earths .....	T 253	Raw materials for the nuclear		BOILERS & FURNACES		Rubber linings in uranium pro-	
The peaceful uses of atomic		industries .....	N 171	Hexmetal linings .....	T 16	duction .....	A 43
energy .....	A 305	Atoms for Peace Exhibition .....	MM 204	Coal in Canadian metallurgy .....	T 16	Installing and operating two-	
Department of Mines & Techni-		Mount Isa Mines and nuclear		New electric arc furnace at		stage rotary screw compres-	
cal Surveys .....	MM 312	power .....	N 194	New Jersey .....	MM 152	sors .....	A 123
The future of mineral explora-		Atomic power for mines .....	N 218	As experimental furnace .....	MM 203	Combined rock and service	
tion .....	A 331	The sulphur industry looks		Blast furnace in the U.S.S.R.	MM 421	mine hoist in Finland .....	A 253
Airborne magnetometer survey		ahead .....	A 221	Electrical pig iron furnaces .....	MM 421	The Rotair compressor .....	M 449
of the North Midlands .....	MM 534	Third Japanese research reactor	MM 227	COAL TECHNOLOGY		The Public Works and Muni-	
Electromagnetic prospecting in		The Atomic Energy Conference	A 228	The Liege Coal Preparation		cipal Services Congress and	
Sweden .....	A 598	The peaceful uses of atomic	A 305	Congress .....	A 44	Exhibition .....	M 508
Detailed low-level prospecting		energy .....		Haulage development rate		record .....	MM 725
Land priority for mining in							
Malaya .....	N 691						



**DIESEL ENGINES**

- The Public Works and Municipal Services Congress and Exhibition MM 508, 537  
Avelling-Barford type SN dumper M 726

**DREDGING**

- Thinking by dredger M 104  
Working dredge model MM 312  
New sea dredge MM 393  
Gold dredging MM 393  
The Westfield project A 472  
New jet dredger for mining M 565  
Earth moving by dredger M 665

**DRILLING**

- Mechanical mining at the Rialto Mine, U.S. A 10  
Aluminium derrick for prospecting M 45  
Thermal drilling in Russia M 78  
Accurate hole surveying M 105  
Mining demonstrations at Eisteddfod MM 128  
Pre-cementation in shaft-sinking A 174  
New version of light weight rock drill M 286  
Gold in the French Cameroons MM 284  
The peaceful uses of atomic energy A 305  
Drilling notes M 310  
Drilling in the Pickle Lake area MM 311  
Tungsten carbide bits for Canada MM 447  
South African high speed shaft sinking in Britain A 475  
The Essen Exhibition, 1958 M 476  
A new range of drill bits M 478  
The Public Works and Municipal Services Congress and Exhibition M 507, 537  
Drilling on the Maranboy tinfield MM 604  
A new bench drill M 606  
A new rock drill M 636  
Side flush outlets remove chips The search for more uranium A 695  
Radioisotopes help underground gas scheme A 721

**EDUCATION & TRAINING**

- Mining Qualifications Board M 76  
United States Geological Survey MM 153  
Kitwe centre of the Copperbelt Mining Engineering College MM 203  
An investment in future citizens N 218  
Advanced Purchasing Course R 263  
Fellowships in ceramics MM 284  
Working dredge model MM 312  
Sir John Cass College MM 337  
R.S.M. Association looks at education N 501  
Classes for prospectors MM 509  
N.C.B. scholarships MM 509  
Postgraduate research in metalliferous mining MM 699

**ELECTRIC EQUIPMENT**

- Great Boulder's haulage improvement work MM 46  
Electric heating of vibrating screens M 201  
New range of mining transformers M 226  
Electrical plant for gold mine hoist in Finland A 252  
Chelmsford Institute Mining Society Exhibition MM 311  
Electrical pig iron furnaces MM 421

**EXCAVATORS**

- World's largest earthmovers M 286

**EXHIBITIONS & CONFERENCES**

- The Liege Coal Preparation Congress A 44  
1958 Mining Show of American Mining Congress MM 47  
Problem of future mineral supplies N 67  
International Scientific & Technical Conference MM 204  
Atomic Power for mines N 218  
International Autumn Trade Fair MM 227  
Magnesium Association MM 228  
The Atomic Energy Conference International Congress on Reconstruction and Development of New Mines MM 257  
The Peaceful Uses of Atomic Energy A 306  
Chelmsford Institute Mining Society Exhibition MM 311  
Mid-American Minerals Conference MM 312  
Fifth Annual Rocky Mountains Minerals Conference MM 312  
A.I.M.E.-A.S.M.E. Joint Solid Fuels Conference MM 312  
A.I.M.E. Annual Meeting MM 312  
Incorporated Plant Engineers Annual Meeting MM 312  
Non-ferrous mining in Britain N 327  
Germany's shop window N 328

- Cornish Institute of Engineers MM 337  
Fourth International Congress on Carbonic Stratigraphy and Geology MM 337  
Sixth International Potash Congress MM 337  
Institute of Mining Engineers MM 337  
The Challenge of Change MM 394  
Institute of Mining and Mechanical Engineers MM 394  
British Institute of Management's National Conference MM 422  
Cornish Institute of Engineers MM 422  
South Wales Institute of Engineers MM 422  
Gauge and Tool Makers' Association MM 422  
The Essen Exhibition, 1958 M 476  
Malayan Tin Bureau MM 479  
The Public Works and Municipal Services Congress and Exhibition M 507  
Cadman Memorial Lecture MM 510  
The changing world of the extraction metallurgist MM 510  
South Wales Institute of Engineers MM 567  
International Geological Congress MM 567  
Radiographs of Pneumoconiosis MM 605  
International Mineral Processing Congress, 1960 MM 605  
Olympia-London, July 1959 A 662  
I.M.E. Symposium on shaft sinking and tunnelling A 667  
Exhibition at the C.U.M.M. Exhibition A 667  
International Trade Fair in Czechoslovakia A 694  
Mine Safety Appliances MM 700

**EXPLOSIVES**

- Rock breakage by explosives Softwood in blasting M 338  
The case for "Intermediate" M 363  
South African high speed shaft sinking in Britain A 475  
New explosive at Nchanga A 506  
Projects Gnome and Plowshare A 564  
New explosives factory MM 567

**GEOLOGY & ORE DEPOSITS**

- Northern Rhodesian Department of Geological Surveys MM 46  
Geology of parts of Niger R 55  
A rubidium magnetometer R 82  
Geochemical investigation R 86  
Notes on the geology of uranium Geology of East Soutspanberg and Lowveld R 86  
Surveying Craigmont nickel area MM 127  
United States Geological Survey Association of African Geological Surveys MM 153  
The lead-zinc ore deposits of the Black Forest R 209  
Madagascar's mineral resources Microbes and mining R 251  
Geophysical abstracts R 263  
Brazilian beryl N 277  
Slow process of geological mapping M 275  
The peaceful uses of atomic energy A 305  
Soil analysis in geochemical prospecting A 307  
Nyasaland's uranium pyrochlore deposits MM 312  
The future of mineral exploration A 331  
Fourth International Congress on carbonic stratigraphy and geology MM 337  
It still depends on the geologist British Guiana's diamond resources A 388  
Overseas geology and mineral resources R 428  
Geological mapping the key to mineral wealth A 445  
Potential uranium-producing countries A 473  
The Cambrian geology of Australia R 488  
Geology of the Phillips River goldfield Western Australia R 488  
Geological exploration in the Solomons N 500  
Canada needs more geological studies N 538  
Tin occurrences in the U.S.S.R. A 533  
Copper and pyrites at Avoca International Geological Congress MM 567  
Coal prospecting survey MM 604  
Geological structures and maps R 612  
Minerals from the sea N 657  
Minerals research in Malaya A 634  
The search for more uranium A 695

**HEALTH & WELFARE**

- Prevention of silicosis MM 227  
Radiation hazards in uranium mines N 246  
Safety hazards in uranium mines A 386  
Making uranium mining safe A 415

- Campaign against pneumoconiosis MM 567  
Environmental conditions in coal mines R 646

**LABOUR**

- Workers in Sierra Leone MM 15  
Miners' new pay claim N 69  
The economics of Copperbelt labour relations N 119  
Labour problems at Broken Hill A 150  
Jobs in dispute N 194  
Boneheadedness on the Copperbelt N 275  
Pay compromise for British miners N 329  
West Germany's coal crisis MM 447  
Back to work on the Copperbelt N 499  
Miners reject wage increase N 529  
The turn in the tide N 557  
U.S. miners press claims A 696

**LIGHTING**

- Painting mine darkness with light M 179  
Lighting in mines M 202  
Lamp room goes underground M 226  
Portable safety lamps for mining Progress of the B.S.I. N 441  
Underground lighting in mines, shafts and tunnels R 612

**LUBRICATION**

- Rubber linings in uranium production A 43  
Lead as lubricating base and seal MM 152  
New U.S. lubricant T 420

**MECHANICAL HANDLING**

- New type of clutch M 151  
Ore skips for Ashanti M 152  
Hydraulic multi-handling equipment M 179  
Tradition hangs by a thin thread Self activating lifter N 195  
British continuous rotary vacuum filter for Belgium MM 227  
Idle covering tubing M 256  
Loran moto-crane MM 312  
Germany's shop window N 328  
Conveyancer range M 363  
Mechanical World Year Book R 372  
South African shaft sinking grab carriage M 392  
British crawler tractor moves for earth M 476  
Underground mining equipment MM 510  
The Public Works and Municipal Services Congress and Exhibition M 537  
Largest swing hammermill in G.B. MM 567  
Earth moving at Shipley M 607  
Television camera monitors mine skips M 636  
A form of screw anchor M 665  
Electric wheels on bowl scrapers M 698  
Chaiseid merger MM 700  
The prime contractor goes overseas M 726

**METALLURGY**

- Oxidation of nickel, cobalt and copper T 16  
New Soviet zinc process T 16  
Coal in Canadian metallurgy T 16  
New electric arc furnace at New Jersey MM 152  
European metal-working industry MM 203  
Russian process for zinc recovery T 255  
Clearing ball mill discharge of tramp metal M 256  
Sintered tungsten carbide powders T 283  
Fine grinding at super-critical speed T 283  
The future of mineral exploration A 330  
Link-up between chemical and metallurgical undertakings A 335  
Anaconda-Jordan Associates Inc. MM 366  
Spectrographic determination of beryllium T 419  
Ethoxylated mines from U.K. T 420  
Economic utilisation of U.S. manganese N 440  
The changing world of the extraction metallurgist MM 510  
Iridium as a high temperature material A 532  
Raw materials and chemicals for metallurgical processing A 631  
Large Hawaiian bauxite deposits MM 638  
Production of tungsten carbide MM 638  
Process for making boron trichlorides MM 700  
Nuclear metallurgy R 706

**MINING & EXTRACTION**

- Mechanized mining at the Rialto Mine, U.S. A 10  
Hydraulic mining in Wales M 46  
Another big hole M 78  
A new type of head frame M 78  
Winning coal at high speed A 100  
Tractor haulage increases mining efficiency A 126  
Record mining MM 127  
Electric quarry shovel MM 127  
Radar north site MM 128  
Heavy duty lifting magnet A 134  
Hydraulic stowing in Polish coal mines M 146  
The electric wheel power system M 151  
Pre-cementation in shaft sinking A 174  
Combined rock and service mine hoist in Finland A 252  
Wedge-type clamps for shaft cables M 256  
Mining halloysite MM 284  
Underground sealing M 310  
Recent developments at South African collieries A 333  
A new hydraulic mine prop M 338  
Control of mine winders M 338  
New continuous miner M 339  
Electric dragline MM 366  
Mining's infinite variety N 385  
British Guiana's diamond resources A 388  
Automation in mining M 392  
Mining conditions in the Nevelignite project A 416  
Steep Rock's Hogarth shaft A 444  
British shaft-sinking records MM 447  
Mining with radio M 449  
The Westfield project A 472  
South African high speed shaft sinking in Britain A 474  
Limestone mining in California New equipment manufactured by Atlas Copco MM 509  
Silverhill colliery at Teversham MM 509  
Developing the Elliot Lake mining field A 531  
Art in mining R 544  
New jet dredger for mining M 565  
Inco plant at Manitoba MM 566  
Mining methods at Avoca A 600  
Slipping by shrinking on the Copperbelt M 606  
Bearings in ore mine winders M 607  
Remote control mining M 636  
A new rockershoval M 666  
Underground hydraulic mining Land priority for mining in Malaysia N 691  
Shaft sealing by the Synoplast method A 692  
Car loading chutes in high speed haulage M 697  
Hungarian coal loader M 697  
Chemicals in tunnelling M 698  
Turners conveyors and transmission belts MM 700  
Shaft-sinking by a new freezing method A 722  
New equipment for South Crofty M 726  
Savings in tunnel driving M 726

**MINE COMMUNICATIONS**

- New sound system M 17  
A safe signalling method M 151  
Underground locomotive signalling equipment for N.C.B. MM 479

**ORE TREATMENT**

- Extraction and recovery of some rarer metals A 12  
Columbite concentrate from radioactive black sand T 16  
Finer grinding with less contamination T 16  
Pilot plant for niobium extraction at Panda Hill A 40  
Non-magnetic device for taconite T 82  
Producing a dry concentrate of magnetite T 82  
Research on uranium recovery U.S. research programmes N 172  
Frothing as collecting agent in tin ore dressing A 196  
Factors influencing flotation in tin ore dressing A 222  
New Australian barytes treatment plant A 250  
Pumping fluxed copper concentrate T 255  
Recovering heavy accessory minerals T 283  
Indium from zinc slag T 283  
The leaching of manganese from pyrolusite T 283  
New Canadian processes for low-grade iron ore A 280  
Peaceful uses of atomic energy A 306  
Screen cloth production M 311  
Chinese automatic tilting concentrator MM 337  
Concentrating table suspension M 363  
An effective ore sorting device M 391  
Circular concentrators in ore beneficiation T 419  
Grinding ball size selection T 429  
Mary Kathleen officially opened

## Companies and other Public Bodies

For Rand and O.F.S. monthly gold mine returns, see MR 52, 185, 290, 428, 544, 707. For quarterly reports, see Supplements August 1 and October 31.

Aardal og Sunddal Verk	MM 227	American Bureau of Metal Statistics	R 133	Ariston Gold Mines	MF 185	Bibiani (1927)	MF 50, CN 85
Abel (Robert) & Co. Inc.	MM 128	American Institute of Chemical Engineers	T 568	Armstrong Whitworth (Sir W. G.) & Co.	M 537, 607	Billion Co.	MM 144
AB Elektrisk Malmletning	M 78	American Institute of Mining & Metallurgical Engineers	MM 312, N 468, R 706	Armour Chemical Industries	T 420	Birlec	MM 227, 367, 700
Aberfoyle Tin	N 277	American Metal Climax	MM 203	Asbestos Corporation	A 360	Blackwood Hodge (John) & Co.	M 507
Acrow (Engineers)	M 565	American Mining Congress	N 357, 467	Ashtanti Goldfields Corporation	MF 81	Bleiherger Bergwerksunion	A. G.
A.E.I. Lamp and Lighting Co.	M 202	American Potash & Chemical Corporation	A 306	Associated Electrical Industries	MM 652	Blinkpan Collieries	A 333
Aero Maintenance Equipment	M 179	American Smelting & Refining Co.	N 357, A 362, MM 566, T 568	Association of Mining Electrical Mechanical Engineers	MM 204	Blyvooruitzicht Gold Mining Co.	Sups. Aug. 1 and Oct. 31
African Explosives & Chemical Industries	ME 363, A 506, MM 566	American South African Investment Trust	MF 21, N 68, MM 204, N 207, 232, 260, 316, 539	Atlas Copco	A 43, M 507, 509, 606, 636, MM 725	Bolden A/B	MM 77
Afrikaner Lease	MF 611	American Zinc-Lead & Smelting Co.	A 10	Atomic Energy Corporation	MM 700	Bolivian Mining Corporation	MM 203
A.I.M.E.-A.S.M.E. Joint Solid Fuels Conference	MM 312	Ampat Tin Dredging	MM 510	Australian Oil and Gas Corporation	N 597	Booth (James) & Co.	MM 366
Alcoa Exploration Co.	MM 566	Anaconda Co.	N 8, M 78, MM 180, 312, 366	Australian Exploration	A 470	Boulton (William)	M 17
Algom Uranium Mines	A 531	Anglo American Corporation of South Africa	N 38, MM 47, Sups. Aug. 1 and Oct. 31, A 174, N 194, M 226, MM 509, 534, FN 704	Ayer Hiam Tin Dredging	FN 462	Boyles Bros	MM 447
Algoma Steel Corporation	MM 180	Anglo-Burma Tin Co.	FN 20			Bucken (Randan)	Oh 181
Allenwest (SA) Pty.	M 256	Anglo-Oriental (Malaya)	MM 393			Brakpan Mines	Sups. Aug. 1 and Oct. 31
Allis Chalmers Mfg. Co.	A 306, MM 605	Anglo-Rand Mining & Finance Corporation	MF 539	Bagnall (W. G.)	M 538	Brakpan Mines	A 14
Allmanns Svenska Elektriska Aktiebolaget	A 252	Anglo-Transvaal Consolidated Investment Co.	Sups. Aug. 1 and Oct. 31, MF 670, ME 671	Ball Brothers Research Corporation	A 306	Bremang Gold Dredging Co.	MF 50
Alumina Jamaica	MM 421	Angus (George) & Co.	MM 128	Bancroft Mines	N 557, MF 571, 703	110, MM 153, MF 207, ME 208	MM 257
Aluminium Co. of America	MM 337, N 627	Apex Minerals Corporation	MM 127	Barclay's Bank (D.C. & O.)	MM 478	Bribon	M 45
Aluminium Company of Canada	MT 106, MM 122, 284, 422	Apex Mines	FN 426	Barrow, Hepburn & Gale	M 655, FN 734	British Aluminium	MM 628
Aluminium Development Association	R 372			Beech Tree Colliery	MM 285	British Association for the Advancement of Science	MM 128
Aluminium Laboratories	N 246			Belcher Mining Corporation	A 75	British Bureau of Non-Ferrous Metal Statistics	MM 257
Aluminium Ltd.	A 102, MF 184, MM 311, 412, MF 539, MM 567, 700			Bell Asbestos Mines	A 360	British Guiana Consolidated Goldfields	FN 51, 426
Amalgamated Banket Areas	MF 50			Benguela Railway Co.	MM 312	British Institute of Management	MM 394
Ambassador Oil Co.	MM 421			Beral Tin & Wolfram MF 513, ME 515	FN 187	British Insulated Callender's Cable	MM 567, 605
American Brake Shoes	A 102			Berlinit Tin Dredging Co.	FN 185	British Newfoundland Corporation	MM 284, 337, 393



- British Non-Ferrous Metals Federation MM 47  
British Nylon Spinners M 202  
British South Africa Co. MM 312  
British Standards Institution MM 180  
N 441, MM 567  
British Thomson-Houston MM 47  
M 338, 567  
British Timken MM 534  
British Titan Products MM 152  
British Tyre and Rubber Co. MM 202  
Brookhouse Allen MM 181  
Broken Hill Associated Smelters MM 15  
Broken Hill Proprietary Co. A 150  
Brown (David) Corporation M 105  
Brush Beryllium Co. of Cleveland MM 103  
Buffelsfontein Gold Mining Co. MM 704, ME 704  
Burma Corporation—Burma Mines MM 15, MF 611, CN 614, MM 725  
Bushtick Mines MM 337, 447  
Byatt (Tom) (Engineers) M 698
- C**  
Calumet & Hecla Copper Co. MM 638  
Cam and Motor Gold Mining Co. MF 514, ME 707  
Camp Bird MM 257, 393, FN 643, M 656, MF 703  
Campbell Chibougannau Mines MF 539  
Canadian Aero Service MM 534, A 633  
Canadian British Aluminium Co. MM 128, 447, N 627  
Canadian Copper Refiners A 75  
Canadian Copper & Brass Development Association MM 666  
Canadian Department of Mines T 283, MM 312  
Can-Erin Mines of Toronto FN 672  
Canadian Exploration Co. C 178  
Cannon Concentrator Co. (U.S.) T 419  
Caribbean Iron Mines MM 16  
Cassair Asbestos Corporation A 360  
Caterpillar Tractor Co. M 476, M 507, MM 510  
Cementation Co. MM 128, ME 517, FN 30  
Central Mining & Investment Corporation MF 20, MF 50, Sups. Aug. 1 and Oct. 31, ME 158, MM 479, 725, MF 729  
Central Mining Finance M 539  
Central Norseman Gold Corporation FN 208  
Cerro de Pasco Copper Corporation MM 534  
Chamberlain Industries MM 204  
Chaseld Engineering Co. MM 700  
Chenderiang Tin Dredging FN 612, ME 646  
Chesbar Chibougannau Mines MM 311  
Chibougannau Goldfield MM 604  
Chief Consolidated Mining Co. A 358  
Chibuluma Mines MF 289, 571, ME 575  
Chloride Batteries MM 667  
City and Guilds MM 510  
City Deep Sups. Aug. 1 and Oct. 31  
Cleaver-Hume Press R 612  
Cleveland Electric Illuminating Co. N 219  
Climax Rock Drill & Engineering Works MM 153  
Clutha River Gold Dredging FN 21, 316, ME 456  
Coffs Harbour Rutile MM 76  
Cohen (George) Sons and Co. FN 673  
Colorado School of Mines MM 181  
Commonwealth Aluminium Corporation N 628, MM 725  
Commonwealth Economic Ministers Conference MM 228  
Communication Systems M 17  
Companhia Uranio de Mocambique MM 312  
Companhia Estanifera do Brasil MM 605  
Companhia Vale do Rio Doce MM 421  
Consolidated African Selection Trust MF 50, 539, 572, ME 579  
Consolidated Copper Mines Corporation MF 156, MM 534  
Consolidated Diamond Mines of South West Africa FN 316, 704  
Consolidated Fenimore Iron Mines MM 311  
Consolidated Goldfields of South Africa MF 452, 572, ME 705  
Consolidated Main Reef Mines & Estate Sups. Aug. 1 and Oct. 31, MF 539, ME 540  
Consolidated Manganese Mining Co. N 246  
Consolidated Mining & Smelting Co. MM 103, T 283  
Consolidation Coal Co. N 219  
Consolidated Murchison (Transvaal) Goldfields & Development Co. MF 81  
Consolidated Pneumatic Tool Co. M 286, 508, MM 700  
Consolidated Tin Smelters MF 156, ME 158, MM 510  
Consolidated Zinc Corporation Ferodo MM 77, MF 367  
Continental Mining & Exploration MM 103
- Copperbelt Technical Foundation N 218  
Copper Development Association MM 447  
Corner House Investments Sups. 368, FN 514  
Cornish Institute of Engineers A 196, 223, MM 337, 422, 534, 605  
Coronation Syndicate MF 344, ME 613, FN 643  
Costain (Richard) ME 613, FN 643  
Cotton Manufacturing Manufacturers MM 662, 667  
Craigmont Mines A 75, C 178  
Cristiana Spigerverk MM 227  
Crompton Parkinson MM 47, 422, 567  
Crown Mines Sups. Aug. 1 and Oct. 31  
Cuban Mining Co. A 562  
Cummins Engine Co. M 508  
Cyanamid Products MM 285  
Cyprus Asbestos Mines N 69  
Cyprus Chrome Co. N 69  
Cyprus Exploration Corporation C 178  
Cyprus Mines Corporation N 68, MF 642  
Cyprus Sulphur & Copper Co. N 69
- D**  
Daggfontein Mines Sups. Aug. 1 and Oct. 31  
Damodar Valley Corporation N 384  
D'Arcy Exploration Co. MM 180  
Davenport Vernon M 45  
Dead Sea Potash Works N 247  
De Beers Consolidated Mines MF 316  
De Beers Industrial Corporation MF 260, FN 30  
Demag M 104  
Denver Mining & Equipment Co. M 286  
Department of Scientific & Industrial Research MM 127, N 276  
Derby Cables MM 510  
Deutsche Bank A. G. MF 260  
Diamond Corporation MM 15  
Dillon Read & Co. MT 51, MF 232, M 260  
Distinction Engineers Co. A 100, N 448  
Dolomite Industries MM 421  
Dominion Reefs (Klerksdorp) ME 572  
Dominion Steel & Coal Corporation MM 15  
Doomfontein Mines Sups. Aug. 1 and Oct. 31, MF 260  
Dow Chemical Co. MM 700  
Dowty Mining Equipment MM 257, M 338  
Dunlop Rubber Co. A 43, M 202  
Durban Roadport Deep Sups. Aug. 1 and Oct. 31, M 134  
Durham Raw Materials MM 666  
Duval Sulphur & Potash Co. MM 666  
Dynamic Metals Inc. T 16
- E**  
Eagle-Picher Co. MM 77, 479  
East Champ d'Or Gold Mining Co. Sups. Aug. 1 and Oct. 31  
East Daggfontein Mines Sups. Aug. 1 and Oct. 31  
East Geduld Mines Sups. Aug. 1 and Oct. 31  
East Rand Consolidated ME 110  
East Rand Proprietary MM 127, Sups. Aug. 1 and Oct. 31, A 306  
East Sullivan Mines MM 76  
East Mining & Metals Co. A 694  
Eastern Rand Extensions ME 25  
Eastern Transvaal Consolidated Mines Sups. Aug. 1 and Oct. 31, ME 583  
Editions Sopal of Paris MM 337  
Elmco (Gt. Britain) M 666  
Elder Mines MM 422  
Elorado Mining & Refining A 75  
Electric Steel Co. N.Z. MM 257  
Ellatton Gold Mining Co. Sups. Aug. 1 and Oct. 31, N 372  
Emmott & Co. N 246, MM 284, FN 672  
Emperor Gold Mines N 246, MM 284  
English Electric Co. M 339, M 363, MM 367  
Ente Zoffe Italiani N 8  
Esperanza Copper & Sulphur MM 479, 638, FN 673  
European Coal & Steel Community MM 15, 128, N 195, MM 203, 337, N 357, MM 394, N 469  
Ex Lands Nigeria ME 84  
Expanded Plugs M 665  
Exploration Mining & Study Co. MM 337
- F**  
Fairchild Aerial Surveys MM 203  
Fairley Air Surveys T 255  
Falcon Mines FN 316  
Faraday Uranium Mines MM 337  
Fatima Mining Co. MM 311  
Federation of British Industries MM 312  
Ferodo MM 77, MF 367  
Fifth Annual Rocky Mountain Conference MM 312
- Ford Motor Company MM 39  
Fork Lift Trucks ME 363  
Fort Reliance Minerals MM 227  
Fowler Engineering Pty. MM 422  
Freddie's Consolidated Mines Sups. Aug. 1 and Oct. 31, FN 612  
Freeport Nickel Co. MM 605  
Freeport Sulphur Co. A 74, 221, MM 284, 479  
Free State Development & Investment Corporation MF 367, ME 369  
Free State Geduld Mines Sups. Aug. 1 and Oct. 31, MF 45  
Free State Saaiplaas Gold Mining Co. FN 51, MF 132, Sups. Aug. 1 and Oct. 31  
Fresnillo Co. FN 643  
Frobisher Mining Corporation MM 15, MF 456  
Frontino Gold Mines MM 128  
Fuel Efficiency Exhibition M 310
- G**  
Gaspe Copper Mines A 75  
Gauge & Tool Makers Association MM 422  
Geco Mines C 178  
Geduld Free State MF 290, 369  
Geduld Proprietary Mines Sups. Aug. 1 and Oct. 31, MF 260  
Gevoer Tin Mines MF 207, ME 292  
Getta Gold Mining Co. MF 156  
General Electric Co. M 201, 226, MM 257, 567, 605  
General Electric Locomotives MM 605  
General Exploration O.F.S. MF 23  
General Mining & Finance Corporation Sups. Aug. 1 and Oct. 31, ME 22, FN 306  
Geonimes Company FN 673, MM 699  
Ghana Main Reef MF 50  
Ghana Minerals Corporation MM 604, N 656, MF 703  
Giant Yellowknife Gold Mines FN 643  
Globe & Mail MM 479  
Gold & Base Metal Mines of Nigeria MF 51, ME 133  
Gold Coast Bauxite Co. N 627  
Goldfields Uranium Mines FN 208  
Gold Mines of Kalgortie ME 370  
Goninan (A) & Co. MM 77  
Goodman Manufacturing Co. A 100  
Goodyear Tyre & Rubber Co. MM 103, 510, 605  
Government Gold Mining Areas Sups. Aug. 1 and Oct. 31  
Granby Consolidated Mining, Smelting & Power Co. C 178  
Granduc Mines MM 366  
Great Boulder Proprietary Gold Mines MM 284  
Gresham Developments MM 605  
Grootvlei Proprietary Mines Sups. Aug. 1 and Oct. 31, MM 204  
G.W.B. Furnaces
- H**  
Hadfields M 507, MM 700  
Hanna Coal & Ore Corporation MM 478  
Hard Metals MM 47  
Harmony Gold Mining Co. MF 260, Sups. Aug. 1 and Oct. 31, M 338, MF 344, 368, 486, ME 540  
Harrington & Co. MM 367  
Harrison & Crossfield MM 394  
Hart-Jacobs Power Co. N 441  
Hartebeestfontein Gold Mining Co. Sups. Aug. 1 and Oct. 31, MF 290, M 392, ME 582  
Harvey & Co. (G.A.) MM 700  
Head Wrightson & Co. M 152, MM 667, 700, M 726  
Heidelberg Estates FN 292, 730  
Hellenic Mining Co. N 69  
Henderson's Transvaal Estates N 85  
Her Majesty's Stationery Office A 362  
Hewitt-Robins Inc. MM 566, 700  
Hill (Richard) M 311  
Holman Bros. FN 110, MM 128, M 151, MM 181, M 310, 449, A 475, MM 479, MF 612  
Holman Group MM 257, M 537  
Horstake Mining Co. N 39  
Howden (James) & Co. M 449  
Hudson Bay Mining & Smelting A 75  
Humphreys & Glasgow A 472, 721
- I**  
Idris Hydraulic Tin FN 21, ME 83  
Iliffe & Sons R 209  
Imperial Chemical Industries M 311, A 475, MM 567  
Incorporated Plant Engineers MM 128, 312  
Incorporated Sales Managers' Association MM 367  
Indian Copper Corporation MM 344  
Indian Explosives MM 567  
Indian State Trading Corporation N 528  
Indian Steelworks Construction Co. MM 77  
Industrial Machine & Equipment Co. M 201  
Industrial Mineral Exploration MM 447
- Institution of Civil Engineers MM 167, 605  
Institute of Metals MM 228, 605  
Institution of Mining Engineers MM 47, 153, 337, N 385, A 563, A 662, MM 667  
Institution of Mining & Metallurgy MM 47, '81, 257, T 283, N 327, A 330, MM 367, A 505, MM 534, 605, 667, 699  
Institution of Production Engineers MM 367  
International-Drott MM 180  
International Harvester Co. of G.B. MM 422  
International Labour Organization MM 605  
International Mineral Dressing Congress T 283  
International Monetary Fund N 384  
International Nickel Co. of Canada FN 156, MM 257, N 383, MM 447, FN 514, MM 566  
International Potash Institute MM 337  
International Tin Agreement N 356  
International Tin Research Council MF 342  
International Wrought Non-Ferrous Metals Council MM 257  
Ipoh Tin Dredging FN 543, 575  
Irish Copper Mines A 446  
Iron & Steel Institute MM 605, 700  
Isaac Pitman & Sons R 86
- J**  
Johannesburg Consolidated Investment Co. Sups. Aug. 1 and Oct. 31, MF 131, 367, 572, ME 573  
Johns-Manville Corporation A 360, M 636  
Johnson, Matthey & Co. FN 51  
MM 337, 366, A 532  
Johnson's Asbestos Co. A 360  
Johnstown Coal & Coke Corporation MM 227  
Jos Tin FN 730  
Joy Manufacturing Co. ME 391, M 636  
Joy Manufacturing Co. (Peru) MM 510  
Joy Sullivan M 339, MM 422
- K**  
Kaiser (Henry J.) Co. MM 227  
Kaiser Industries Corporation MM 605  
Kalgortie Southern Gold Mines ME 370  
Kampong Lanjut Tin Dredging FN 542  
Kamunting Tin Dredging MF 484  
Kelvin Hughes MM 228  
Kennecott Copper Corporation N 8, MM 203, A 251  
Kenian Gold Areas ME 541, FN 704  
Kent (George) MM 510  
Kent (F. M. S.) Tin Dredging FN 292  
Kepong Dredging MM 509  
Kerr-Addison Gold Mines N 595  
Kings Island Scheelite MM 204  
Kinnear Moodie & Co. A 474  
Kinta Tin Mines ME 83  
Kitchikama Syndicate MM 604  
Klerksdorp Consolidated Goldfields MF 132  
Kolar Gold Fields N 121  
Komata Investments FN 316  
Korean Rare Earths Development Co. A 333  
Kramat Pulai MF 315, FN 426  
Kramat Tin Dredging FN 185  
Krupps (Fried) MF 47, 180  
Kwahu Mining Co. FN 316, MF 398, ME 488  
Kyerwa Syndicate MM 77
- L**  
Lafferty & Co. MM 725  
Lake George Mining Corporation FN 673  
Lake View & Star MM 284, FN 543, MF 728, ME 736  
Lampa Mining Co. MF 611, ME 706  
Larut Tin Fields FN 292  
Larymna Mining Co. MM 638  
Lead Development Association MM 47  
Le Grand, Sutcliffe & Gell M 104  
Letourneau Westinghouse Co. M 151, 286, 698  
Leyland & Birmingham Rubber Co. M 311  
Libanon Gold Sups. Aug. 1 and Oct. 31, MF 260  
Lindsay Parkinson (Sir) & Co. ME 646  
London & African Mining Trust MF 484, ME 578  
London & Rhodesian Mining & Land Co. MM 479, 510, MF 514, ME 514, MM 699  
London Scottish Investment Trust MM 337  
London Stock Exchange MF 368  
Longyear (E. J.) & Co. MM 128, 181, 312  
Lorraine Gold Mine MF 368  
Lubimbi Coal Areas MM 103, 534  
Luisards Vlei Estate & Gold Mining Co. Sups. Aug. 1 and Oct. 31  
Lydenburg Estates MM 366



Lyons (Claude)

FN 575

Mackay & Schnellmann

MM 479

Mackay Industrial Equipment

M 537

MacLellan (George) & Co.

MM 394

Magma Copper Co.

T 255

Malayan Chamber of Mines

MM 47

Malayan Mining Co.

MM 509

Malayan Tin Bureau of Wash-

ing

Malayan Tin Dredging

MM 479

Malayan Tin Dredging

FN 426

Malayan Tin Dredging

FN 426

Manchester Geological & Min-

ing Society

Maritime Chrysotile Asbestos

Co.

Marshall, Sons & Co.

M 338

Mariveles Consolidated Mines

Sups.

Maritime Mining Corporation

MM 153

Marman Investments

FN 456

Marubeni-Isden

MM 227

Mary Kathleen Uranium

A 470

Mason & Barry

MM 47

Materials Handling Group

MM 228

Mattagami Syndicate

C 178

Mawchi Mines

MM 15, 76, MF 109,

Maxam Power

342, MM 510, MF 670

Maxapil Copper Co.

M 698

Meyers Exploration Co.

FN 292

McNally Pittsburgh Manu-

facturing Corporation

McIntyre Porcupine

MM 393

McIntyre Research Foundation

C 178, FN 542

Merriespruit (O.F.S.) Gold

MM 227

Middle Witterwater (Western

Area)

Middlebank

Sups. Aug. 1 and Oct. 31

Miliken Lake Uranium Mines

MM 700

Mineral Development Corpora-

tion

Mine & Smelter Supply Co.

A 503

Mine Safety Appliances Co.

MM 103

Mining Geophysics Co.

MM 700

Mining Services (P.E.)

FN 208

Ministry of Fuel & Power

MM 510

Mission Manufacturing Co.

MM 312

Mistry Gold Mine

M 310

Mitsui Metal Mining Co.

N 246

Modderfontein East

M 725

Mogul Mining Corporation

Sups. Aug. 1 and Oct. 31

Mond Nickel Co.

A 446

Morgan Crucible Co.

MM 605

Morgan Refractories

A 278, MM 534

Moseley (David) & Sons

T 16

Mosley (William) Engineers

M 202

Motor Rail

M 420

Mountain Copper Co.

M 508

Mount Isa Mines

MM 180

Mount Isa Mines

MM 181, N 194,

Murex

218, M 310, MF 483, MM 566,

Natal Coal Exploration Co.

ME 731

National Bank of Cuba

FN 542

National Chemical Laboratory

MM 604

National Coal Board

MM 77

National Coal Board

M 46, N 69,

National Coal Board

M 78, A 100, MM 128, 177, 310,

National Coal Board

181, 204, 227, 228, N 152, M 310,

National Coal Board

N 329, MM 367, ME 391, A 474,

National Coal Board

MM 509, 510, N 529, MM 534,

National Coal Board

563, N 628, A 660,

National Coal Board

MM 667, M 698, MM 725, M 726

National Gypsum Canada

MM 127

National Industrial Conference

MM 127

National Mining Corporation

N 357

National Mining Corporation

FN 543, 575, ME 673

National Overseas & Grindlays

Bank

Nebanga Consolidated Copper

FN 673

Nebanga Consolidated Copper

Mines

Nebanga Consolidated Copper

MM 128, MF 156, ME 157,

Nebanga Consolidated Copper

M 256, MF 425, 371, 729

Neiveli Lignite Corporation

A 417

Netherlands New Guinea Pe-

roleum Co.

New Broken Hill Consolidated

MM 421

New Brunswick Uranium

A 150

New Central Witterwater

A 75

New Consolidated Gold Fields

Sups. Aug. 1 and Oct. 31

New Guinea Goldfields

MM 422, MF 703

New Hosco Mines

575, 672, MM 724

New Jersey Zinc Co.

MM 257

New Klerksdorp Gold Estates

MM 152, M 226

Newmont Mines Corporation

MF 260

New Mylmaque Explorations

A 633

New Pioneer Central Mining

MM 393

New Union Goldfields

MM 393

Nickel Rim Mines

MF 642, ME 706

Nife Batteries

MF 426, ME 643

Noranda Mines

MM 227

Nordberg Manufacturing Co.

MM 15, A 75, C 178,

Nordstroms Linbar

MM 393, 447, 604

Norpas Nickel Mines of Canada

MM 479

North Australian Uranium Cor-

poration

North British Rubber Co.

N 277

North Broken Hill

MM 180, M 202

North of England Institute of

Mining & Mechanical Engi-

neers

MM 47, 394

North Kalgurli

MM 15, 47,

North Rankin Nickel Mines

204, MF 611, ME 613

North Staffordshire Institute of

Mining Engineers

North-Western Fuel Luncheon

Club

Northern Canada Mines

MM 479, 605, 700

Northern Miner Press

MM 228, 367

Northpan Uranium Mines

MM 421

Northern Uranium Mines

MM 447

Northern Uranium Mines

FN 456, A 502, 531

Northern Uranium Mines

MM 127

NZ Industrial Investments

MM 257

Olding (Jack) Co.

O

Olin Mathieson International

MM 508

Orange Free State Investment

Corporation

Orust

MM 638

Orust Mining Co. (Pty)

MF 21, 109

Outokumpu Oy

MM 203

Pahang Consolidated

MM 15, 478, 604

Palawan Quicksilver Mines

FN 547

Perak River Hydro Electric

MF 610, ME 706

Peko Mines

MM 203

Perak River Hydro Electric

Power Co.

Philips Mining Corporation

M 469

Philips Petroleum Co.

ME 614

Phoenix Colliery

MM 47

Potash Company of America

MM 76

Powell Duffryn

FN 51

Powell Duffryn Technical Ser-

vices

Premier (Trinidad) Oilfields

ME 316, MM 366, 700

Premium Iron Ores

A 416

Premium Brand Co.

FN 575

President Steyn Co.

Sups. Aug. 1

Pronto Uranium Mines

Sups. Aug. 1 and Oct. 31

Protolite

MF 232

Public Works & Municipal

Services Congress & Exhibi-

tion

A 443, 503,

Puket Tin Dredging Co.

530, MF 539

Purchasing Officers Association

MM 422

Pyrene Co.

MM 285

Quebec Asbestos Corporation

MM 725

Quebec Cartier Mining Co.

R 263, MM 285

Quebec Chibougamau

MM 441

Racial Engineering

MF 542

Rahman Hydraulic Tin

MM 605

Randfontein Estates Gold Min-

ing Co.

Rand Leases (Vogelstruisfont-

ein)

Rand Mines

Sups. Aug. 1 and Oct. 31

Ransomes & Rapier

Sups. Aug. 1 and Oct. 31

Rapid Magnetic Machines

MM 204, MF 670

Rare Earths Inc.

M 420, 508

Rayrock Mines

MM 134

Renong Tin Dredging Co.

MM 47

Republic Steel Corporation

MF 368

Repux Uranium & Metals

FN 456, ME 577

Reynolds Metals Co.

M 134

Reynolds Pacific Mining

C 178

Rhangoine Mine Services

A 102, N 628

Rhodesian Alloys

MM 180

Rhodesian Anglo American

N 557, MF 577

Rhodesia Montello Asbestos

MM 366

Rhodesian Selection Trust

MF 483,

Rhokana Corporation

MF 576

Ribbeck Gold Mining Co.

Sups. Aug. 1 and Oct. 31

Riesfontein Consolidated Gold

Mines

Ribon Valley (Nigeria) Tin

MM 77, 394

Rio Canadian Exploration

MF 207

Rio Tinto

FN 185, MF 483

Rip Biss

M 39, A 75, MM 127, 180,

Rix Athabasca Uranium Mines

MF 231, MM 447, A 470, 502, 530,

Roan Antelope Copper Mines

FN 612

Roberts Construction Co.

M 507

Robinson Deep

A 75, FN 30

Rolls-Royce

MF 289,

Rompin Mining Co.

571, MM 700

Rooderand Main Reef Mines

MM 46

Rooiberg Minerals Develop-

ment Co.

Royal & Pitman

447, 474

Royal School of Mines

MM 537

Royal Society of Arts

MM 494

Ruston Bucyrus

MM 184

Rustenburg Platinum Mines

MM 15, 127, 563,

Saaplaas Gold Mining Co.

366, 510, M 537

Saimon River Uranium Devel-

opment

Salgitzier Maschinen A. G.

MM 226

Sandvikens Jaernverks A. B.

MM 534

Sandy River Gold Mining Co.

MM 638

San Francisco Chemical Co.

MM 422

Scientific Film Association

MM 622

Security Rock Bits Co.

MM 228

Semation Trust

M 179

Semation Bauxite

MF 20, CN 26

Shan Vershi Devshi & Co.

A 224

Shearbridge Engineering

A 720

Sherritt Gordon Mines

MM 509

Shwayder Co.

MF 512

Siamese Tin Syndicate

T 283

Siberian Syndicate

ME 725

Sierra Leone Development Co.

MM 510

Sierra Leone Selection Trust

MM 180, 638

Sigmund Pumps

MM 15

Silvermines Lead & Zinc Co.

MM 642

Silverton Rubber Co.

MM 567

Simmer & Jack

Sups. Aug. 1 and Oct. 31

Simmis (W. J.) Sons & Cooke

Oct. 31

Sinco Carbons

M 607

Simplex Electric Co.

MM 47

Sir John Cass College

MM 256

Site Investigations

MM 337

Skinner (Thomas) & Co.

M 104

Small & Parkes

R 456

Societe de Quartz de Madagas-

car

Societe des Mines de Kilo-Moto

M 337

Societe Pechiney

FN 51

Societe Miniere du Bekeka

MM 203

Solartron Electronic Group

MM 15

South African Coal Estates

MM 510

South African Iron & Steel In-

dustrial Corporation (SIOF)

South African Land & Explora-

tion Co.

South African Institute of Min-

ing & Metallurgy

South African Torbanite Mining

and Refining Co.

South Alligator Uranium

ME 580

South American Gold & Plati-

num Co.

South Australian Barytes

MM 285

South Crofty

N 629

Southern Kinta Consolidated

MM 77, 394

Southern Malay Tin Dredg-

ing

South Roodepoort Main Reef

MM 638, FN 642, MF 728,

Areas

ME 729

Southern Tronoh Tin Dredging

Sups. Aug. 1 and Oct. 31

Southern Van Ryn Reef Gold

MF 672

Mining

MM 24

South Wales Institute of Engi-

neers

South Witbank Coal Mines

MM 153, 422, 567, 605

Spaarwater Gold Mining Co.

FN 542

Specialised Employee Selection

Sups. Aug. 1 and Oct. 31

Spring Mines

MM 204

Standard Bank of South Africa

Sups. Aug. 1 and Oct. 31

State Mining Corporation

ME 132

State Trading Corporation

A 630

Staton J. C. & Co.

N 247, 469

Steept Rock Iron Mines

A 126

Stewarts & Lloyds

A 444

Stillfontein Gold Mining Co.

ME 577

Stillfontein Gold Mining Co.

ME 24

Stillman Rubber Co.

Sups. Aug. 1 and Oct. 31

St. Helena Gold Mines

Aug. 1 and Oct. 31, MF 232, 315

St. Lawrence River Mines

MM 422

St. Patrick's Copper Mines

MM 77

Stockdale Engineering

N 439, A 446, 569, 605

Sukulu Mines

MM 227

Sulphur Export Corporation

Sups. Aug. 1 and Oct. 31

Superwhite Kaolin Corporation

MM 15

Sungel Best Mines

MM 47

Sungel Kinta Tin Dredging

FN 642

Sungel Wai Dredging

FN 643

Svenska Rotormaskiner AB

FN 643

Taiga Mines

A 123

Tanganyika Central Gold Mines

T

Tanganyika Concessions

MM 478

Tanjong Tin Dredging

MF 611

Tanque & Abosso

ME 397, 72

Tata Iron & Steel Co.

ME 70

Tati Goldfields

N 384, MM 567

Tavoy Tin Dredging

MF 426

Taylor Woodrow Construction

FN 543

Technic Press

MM 77, 285

Tehidy Minerals

R 612

Tekka

FN 316, ME 369

Temoth Tin Dredging

FN 543

Territory Enterprises Pty.

MM 569

Texas Power and Light Co.

N 105

Tiltman's

MM 285

Tiltman Langley

MM 78

Tinna Copper Works

MM 285

Tin Research Institute

N 597

Tongkah Harbour Tin Dredg-

ing

Toronto Stock Exchange

MM 366, 393, FN 673

Trans-Rhodes Finance & Min-

ing Co.

Transvaal & O.F.S. Chamber

of Mines

Transvaal Ore Company

21, A 47

Transvaal Ore Company

MM 15, MF 426

Tronoh Mines

FN 575

Tronoh Mines

FN 51, MF 231,

Trublast Stemming Corporation

425, ME 427

Tube Investments

M 338

Tudor Accumulator Co.

N 628

Turner Bros. Asbestos Co.

MM 510

Turner & Newall

MM 700

Twefontein Colliery

A 360

Uddeholms Aktiebolag

FN 730

Uganda Development Corpora-

tion

Uis Tin Mining Co.

MM 47

Ungava Iron Ores Co.

MM 180, 636

Union Carbide Co.

Sups. Aug. 1 and Oct. 31

Union Corporation

MM 422, MF 729

United Kingdom Mining Assa-

ciation

United Nations

N 327, 567

United Nations

N 95, R 263, N 309,

United Nations International

Conference on the Peaceful

Use of Atomic Energy

A 305

U.S. Bureau of Mines

A 71, N 171,

U.S. Steel Corporation

MM 181, 203, N 219, 246, A 252,

U.S. Geological Survey

T 255, MM 284, 311, T 419, 637,

U.S. Rubber International

MM 638, M 698

U.S. Steel Corporation

A 102, N 139,

U.S. Steel Corporation

MM 366, N 441

U.S.S.R. Prospecting Techni-

ques Research Institute

United Steel Companies

T 419

United Tin Areas of Nigeria

MM 312, 478

Universal-Cyclops Steel Cor-

poration

United Uranium Mines N.L.

N 207, 315

Utrecht Colliery

MM 604

Vaal Reefs Exploration & Min-

ing Co.

Vanadium-Alloys Co.

Sups. Aug. 1 and Oct. 31

Vanadium Corporation of

America

Van Dyk Consolidated Mines

MM 15

Van Moppes (L. M.) & Sons

Sups. Aug. 1 and Oct. 31

(Diamond Tools)

MM 284

Venezuela Development Cor-

poration

Ventersport Gold Mining

MM 604

Vickers-Armstrong (Tractors)

Sups. Aug. 1 and Oct. 31

Victor Products (Wallend)

A 102,

Village Main Reef Gold Mining

Co.

Virginia O.F.S. Gold Mining

Sups. Aug. 1 and Oct. 31

Vlakfontein Gold Mining Co.

ME 77

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

Vogelstruisfontein Gold Min-

ing Areas

<



---

Published by The Mining Journal, Ltd.,  
15 Wilson Street, London, E.C.2, and  
printed by Washburn & Sons Ltd.,  
Queens Road, Southend-on-Sea, Essex.

---



